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Technology Center 2600

Applicant hereby submits the formal drawings for the above-referenced application and requests that these drawings (Figures 1-31 on 35 sheets) be accepted for filing.

Respectfully submitted,

$$Q \subset M$$

Jeffrey C. Hood  
Reg. No. 35,198  
ATTORNEY FOR APPLICANTS

Meyertons, Hood, Kivlin, Kowert & Goetzel PC  
P.O. Box 398  
Austin, TX 78767-0398  
(512) 853-8800  
Date: 10/28/2003

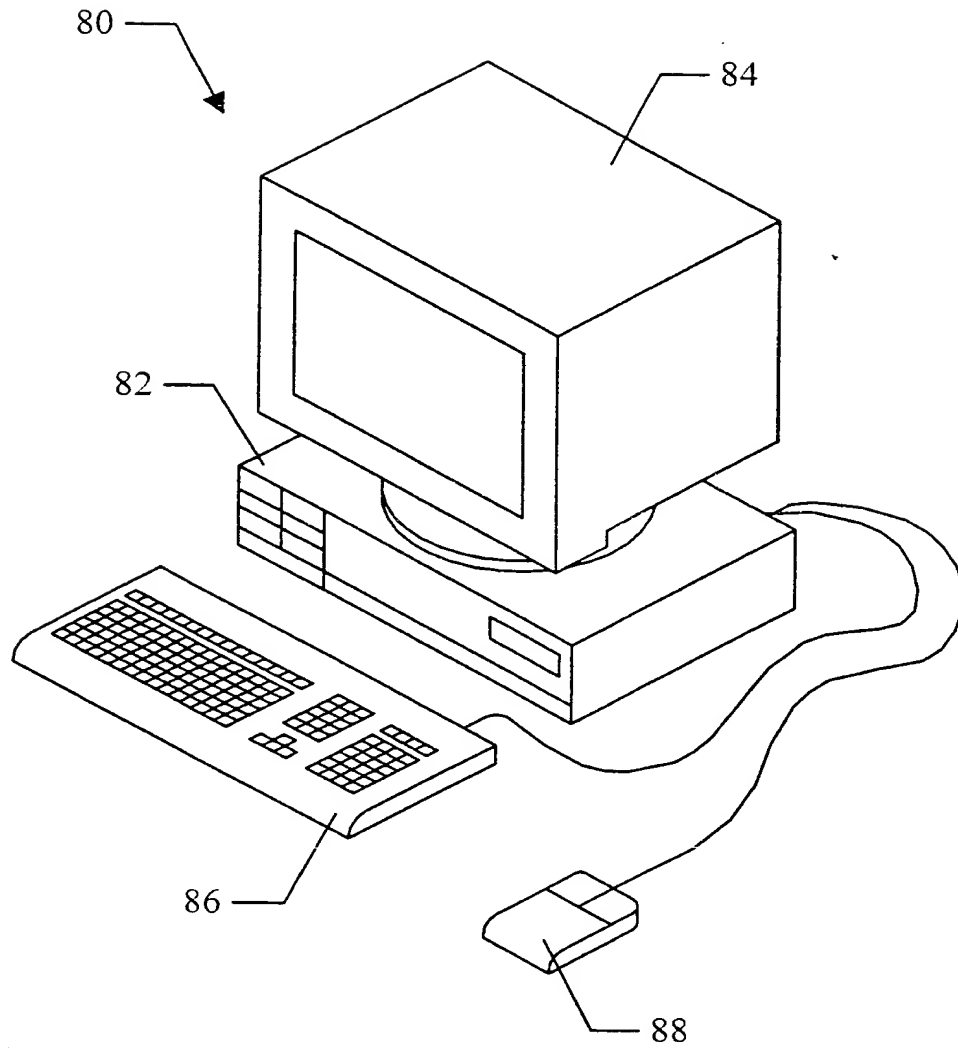


FIG. 1

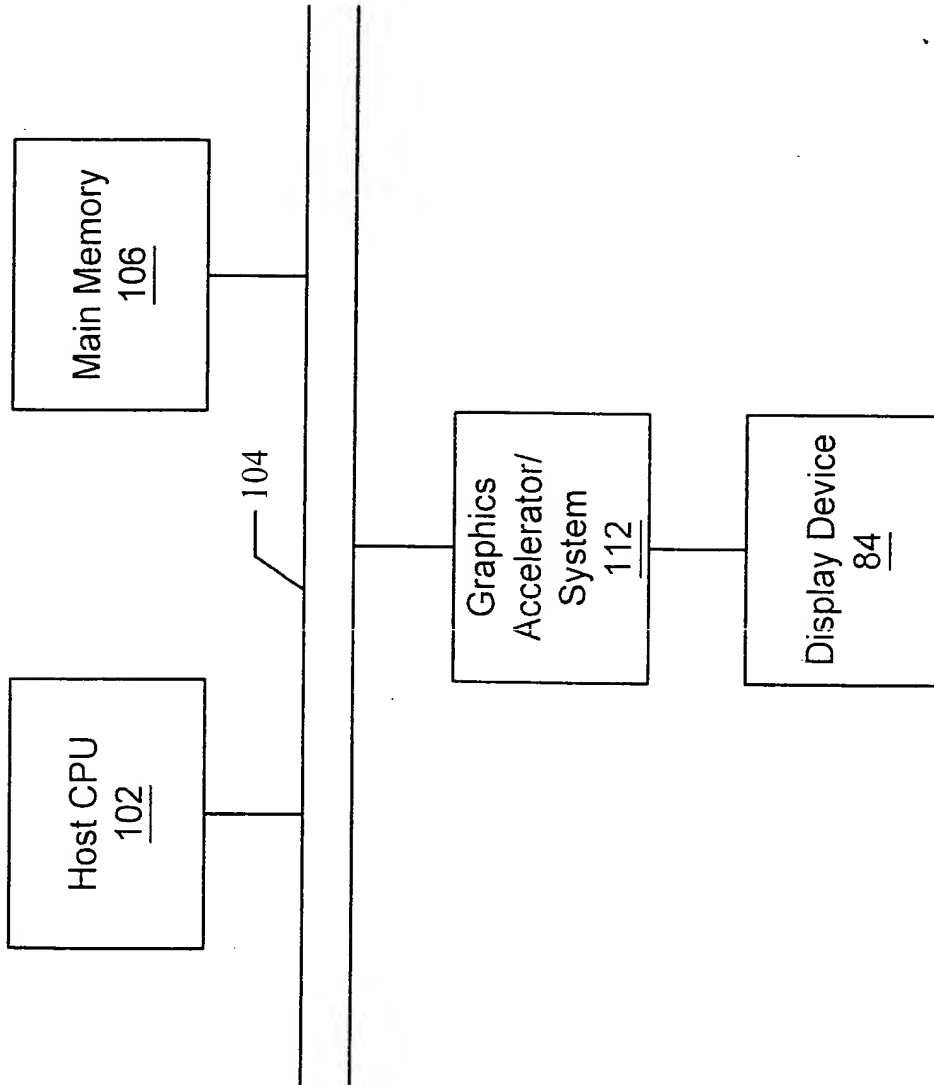


FIG. 2

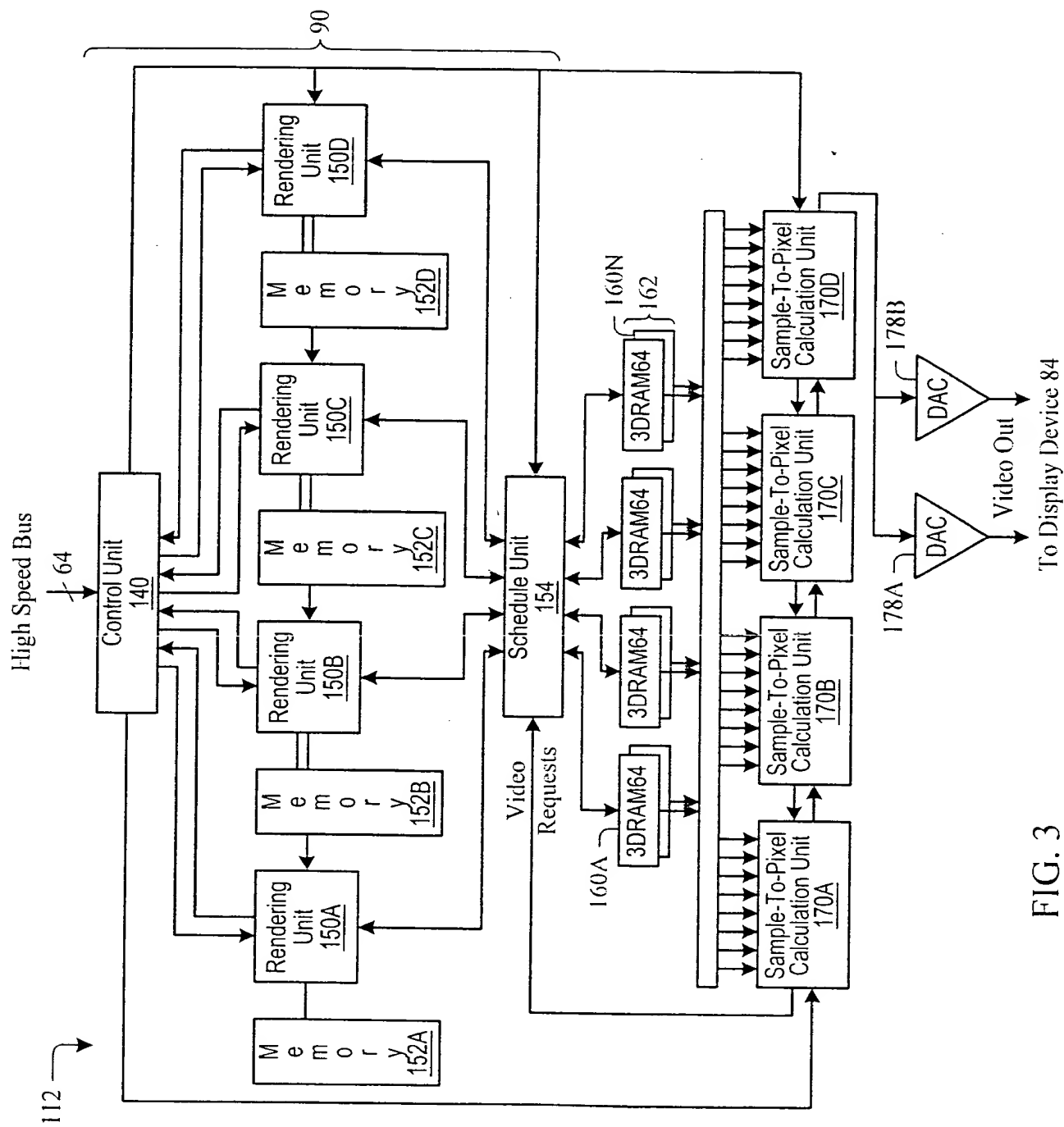


FIG. 3

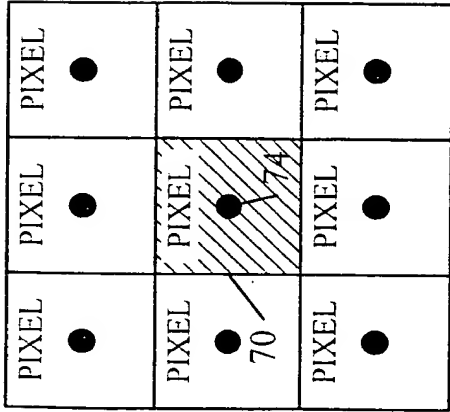


FIG. 4

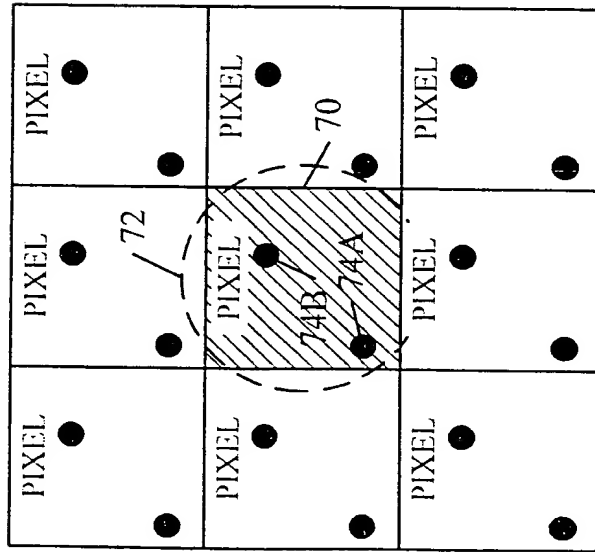


FIG. 5A

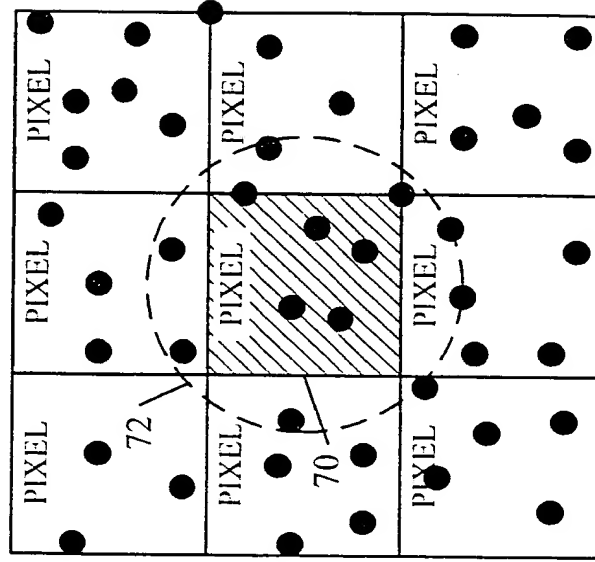


FIG. 5B

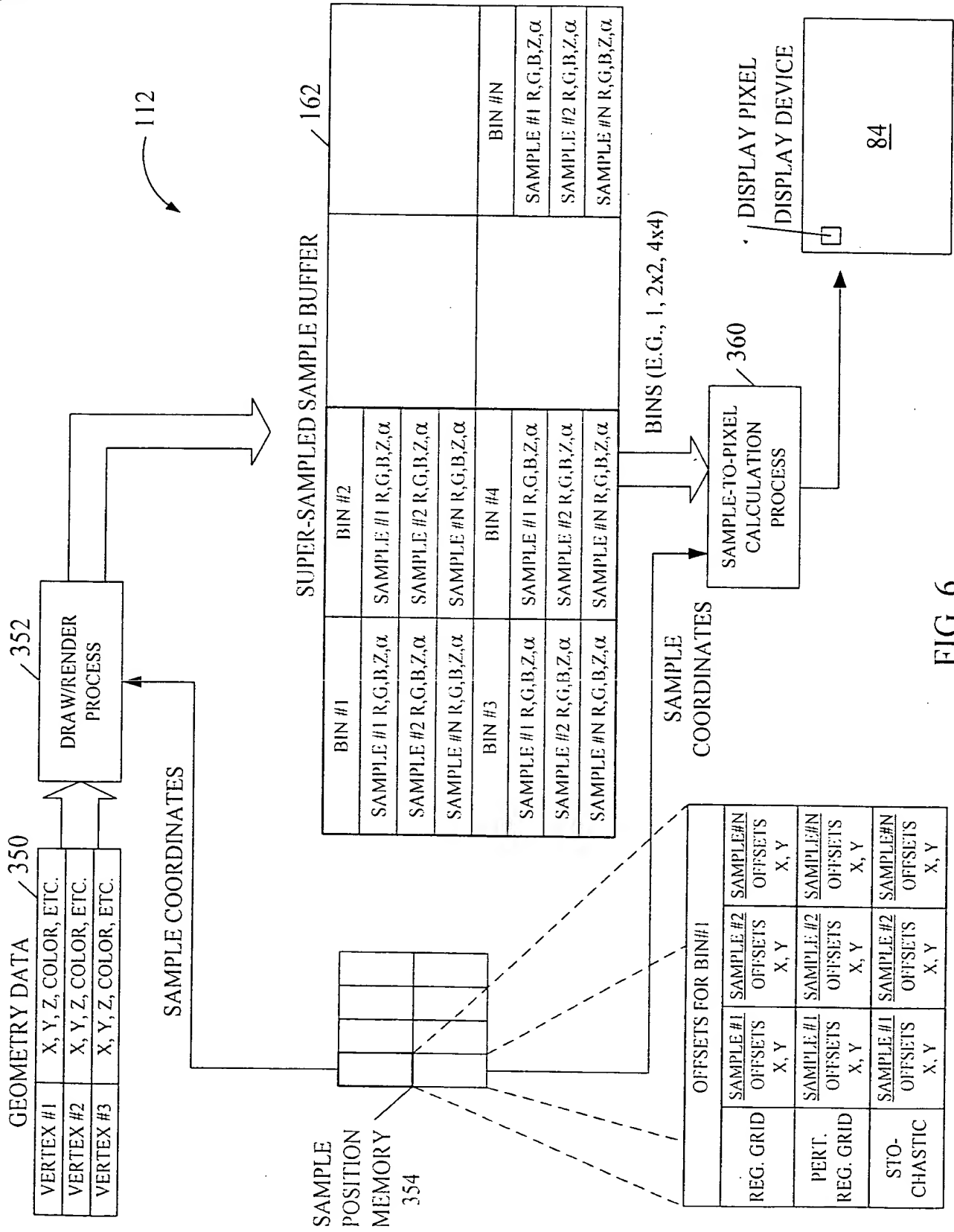


FIG. 6

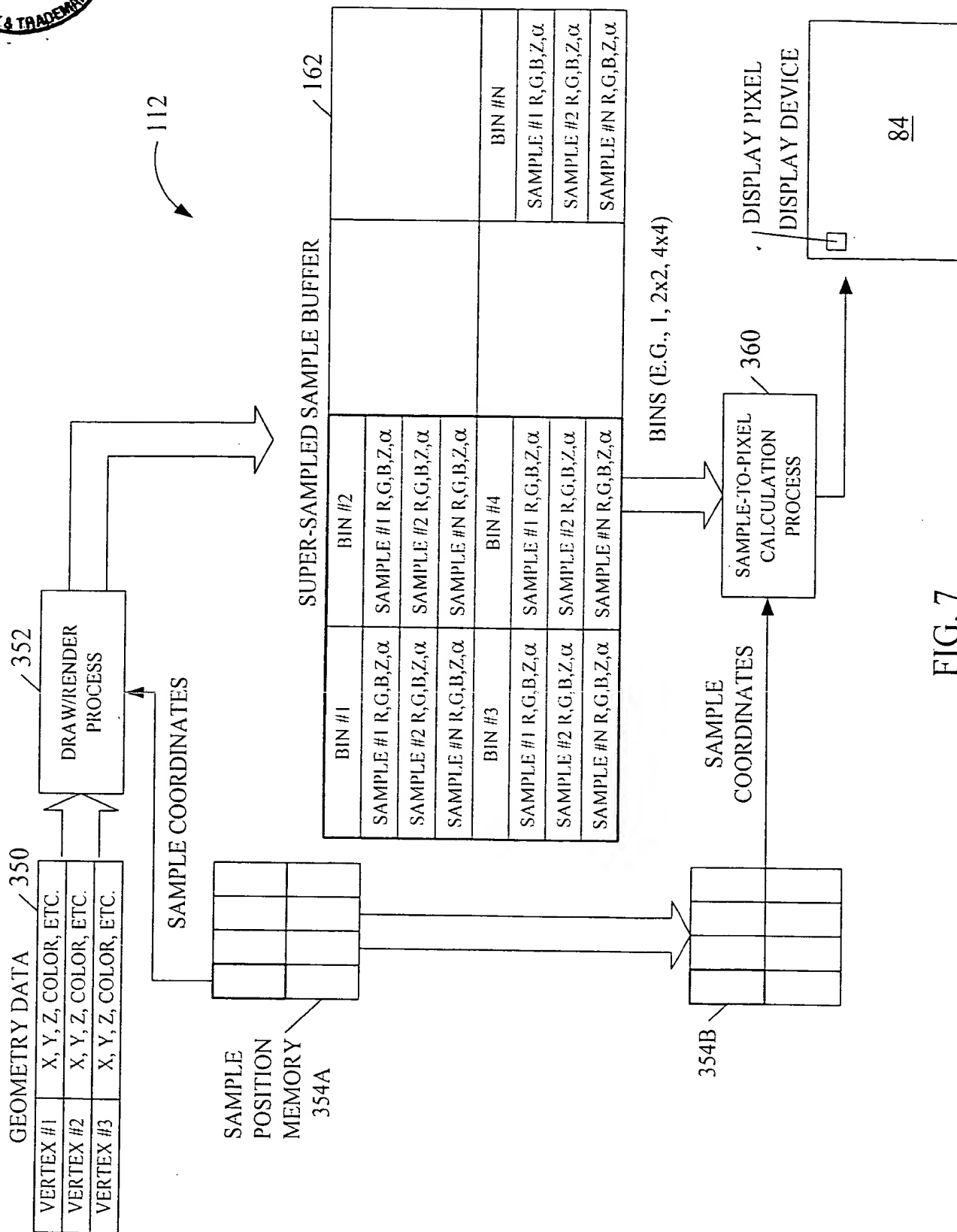
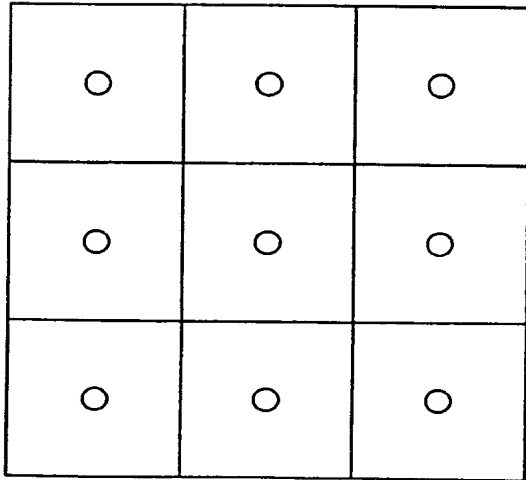
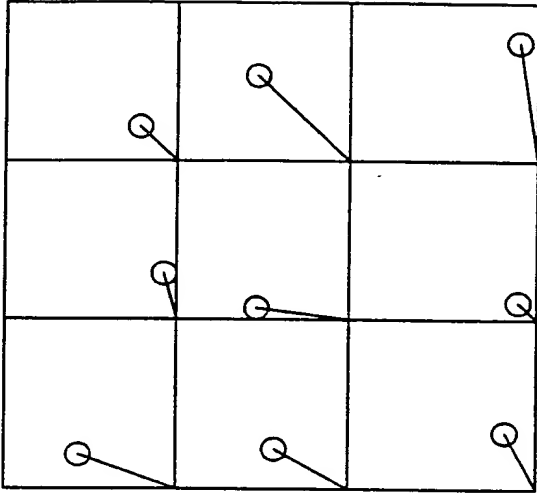


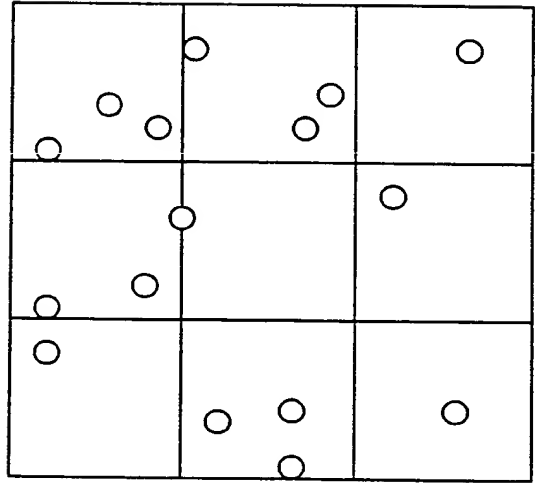
FIG. 7



REGULAR GRID 190



PERTURBED  
REGULAR GRID  
192



194 STOCHASTIC  
SPACING

FIG. 8



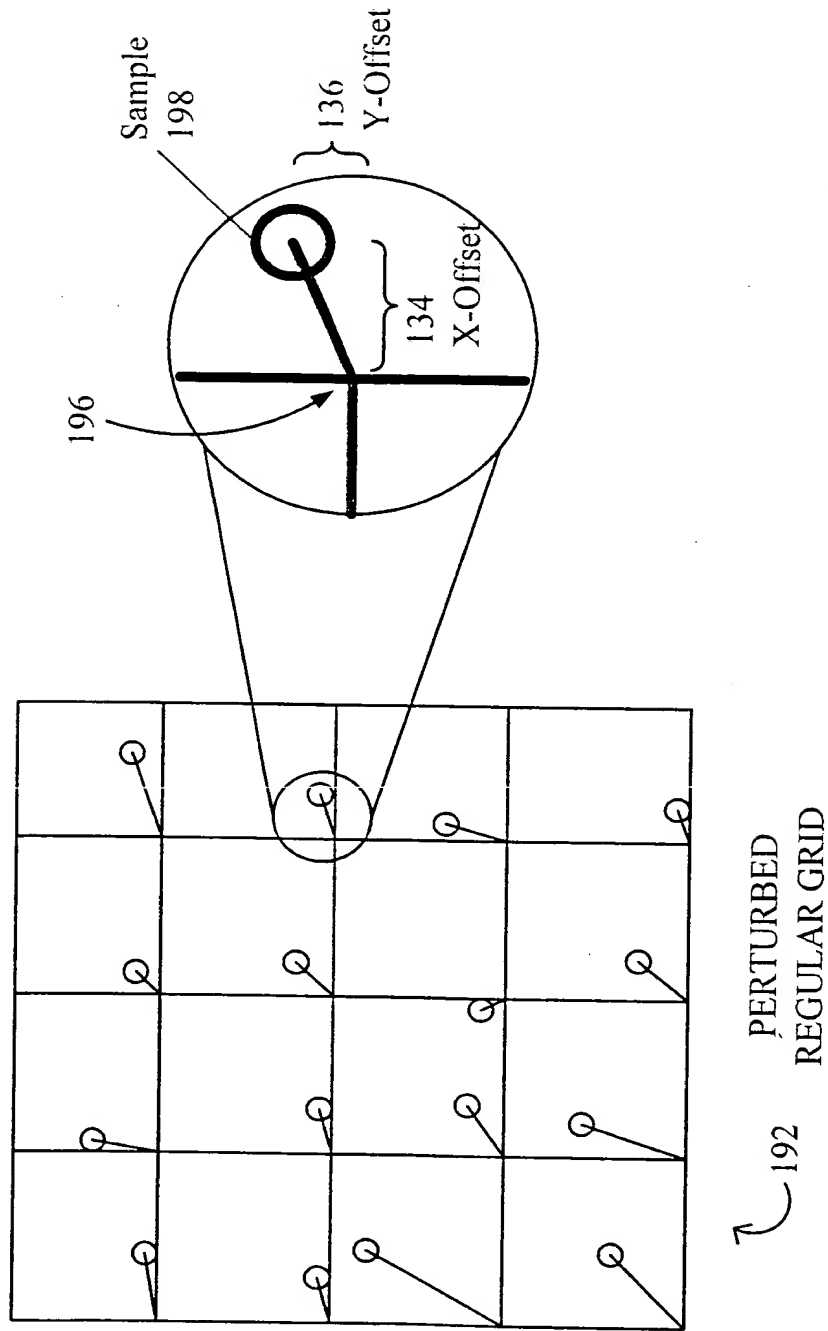


FIG. 9

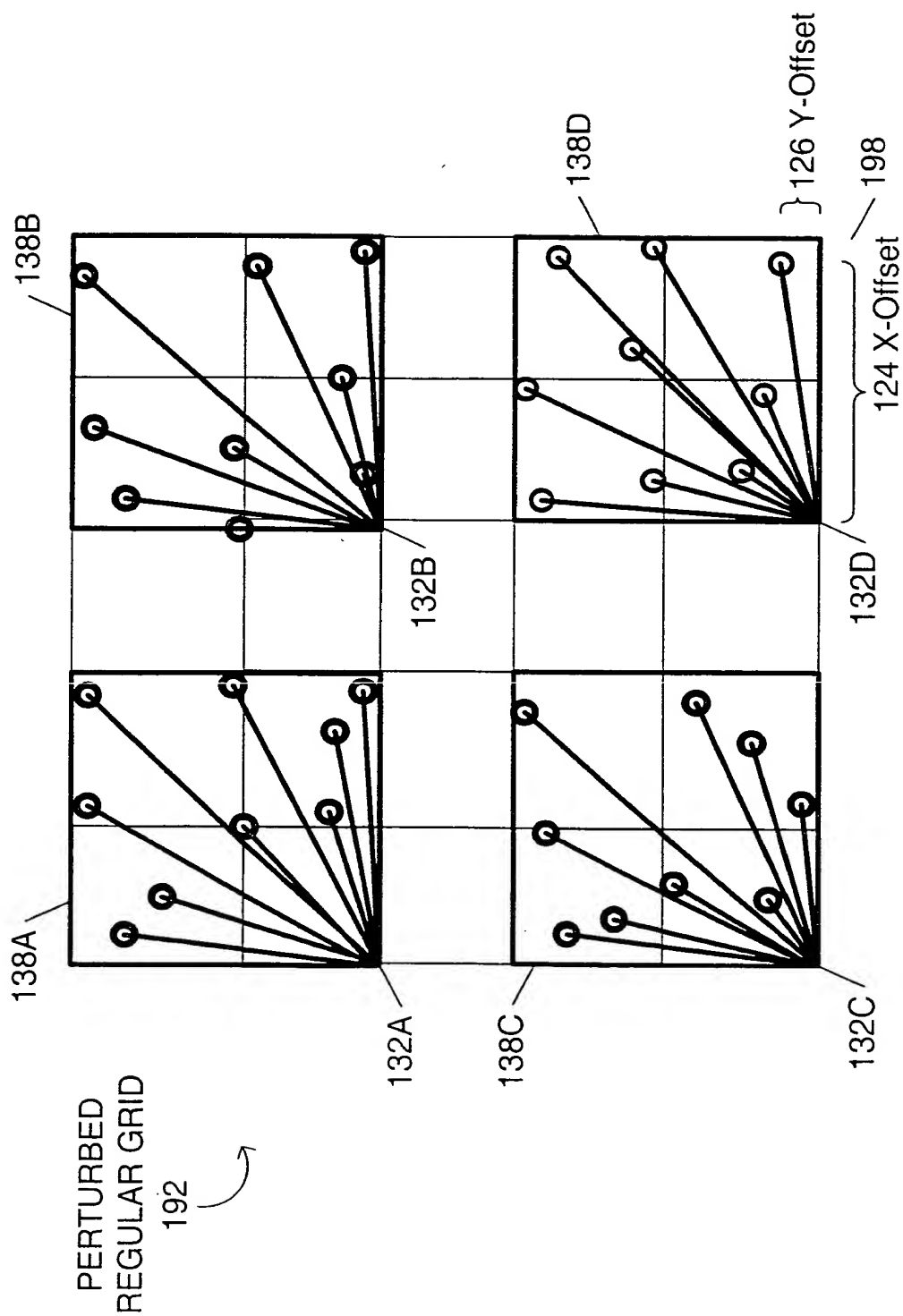


FIG. 10

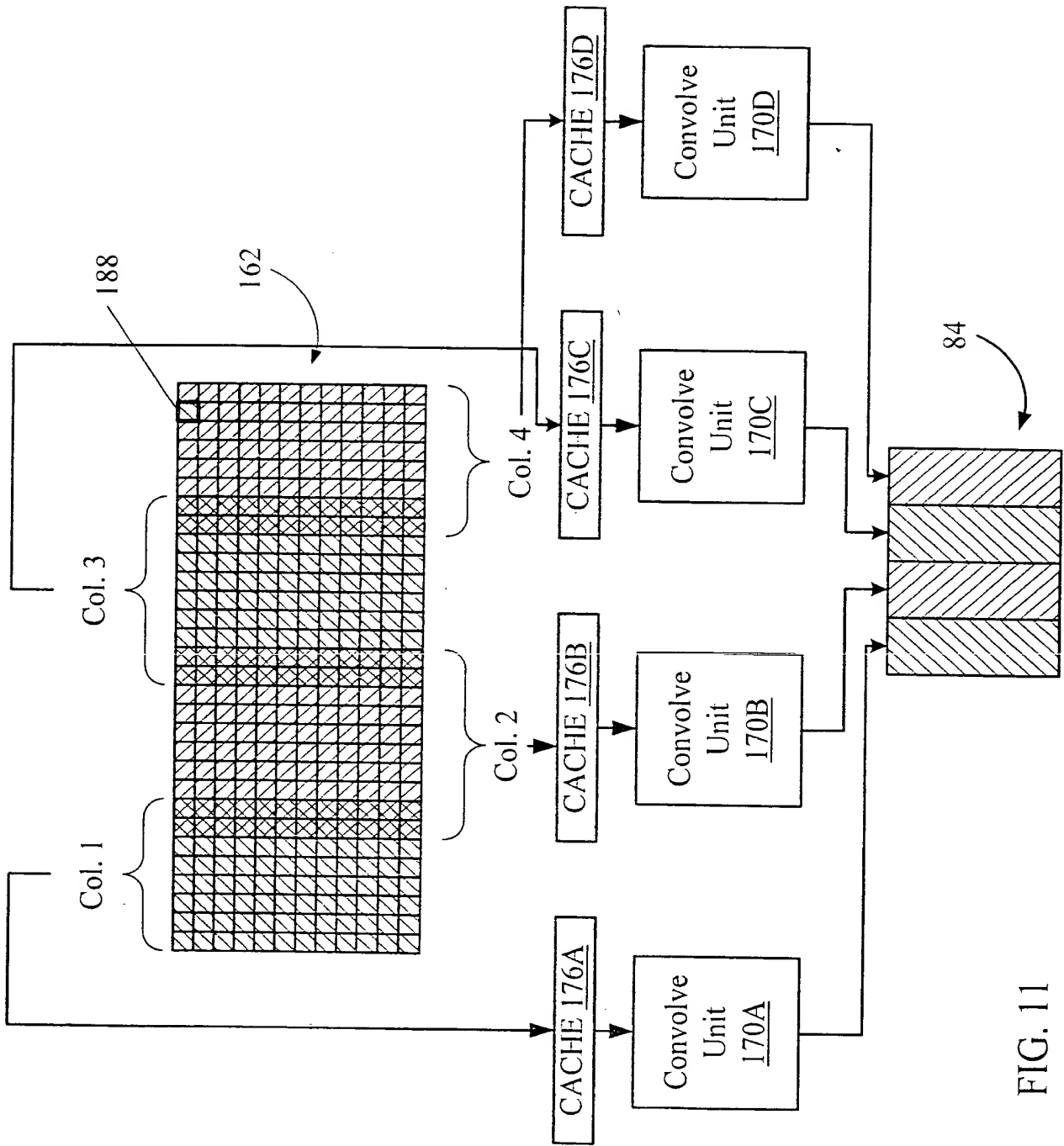


FIG. 11

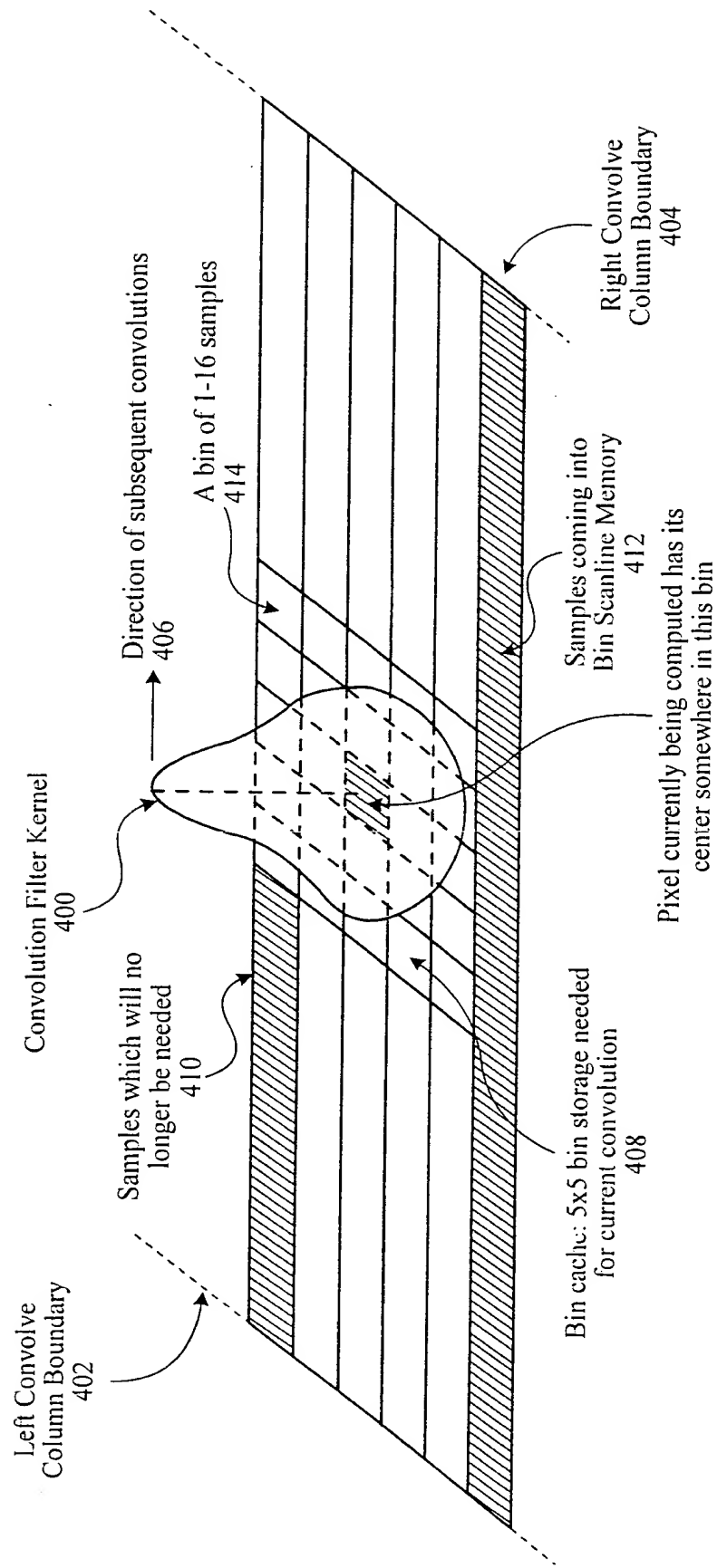


FIG. 11A

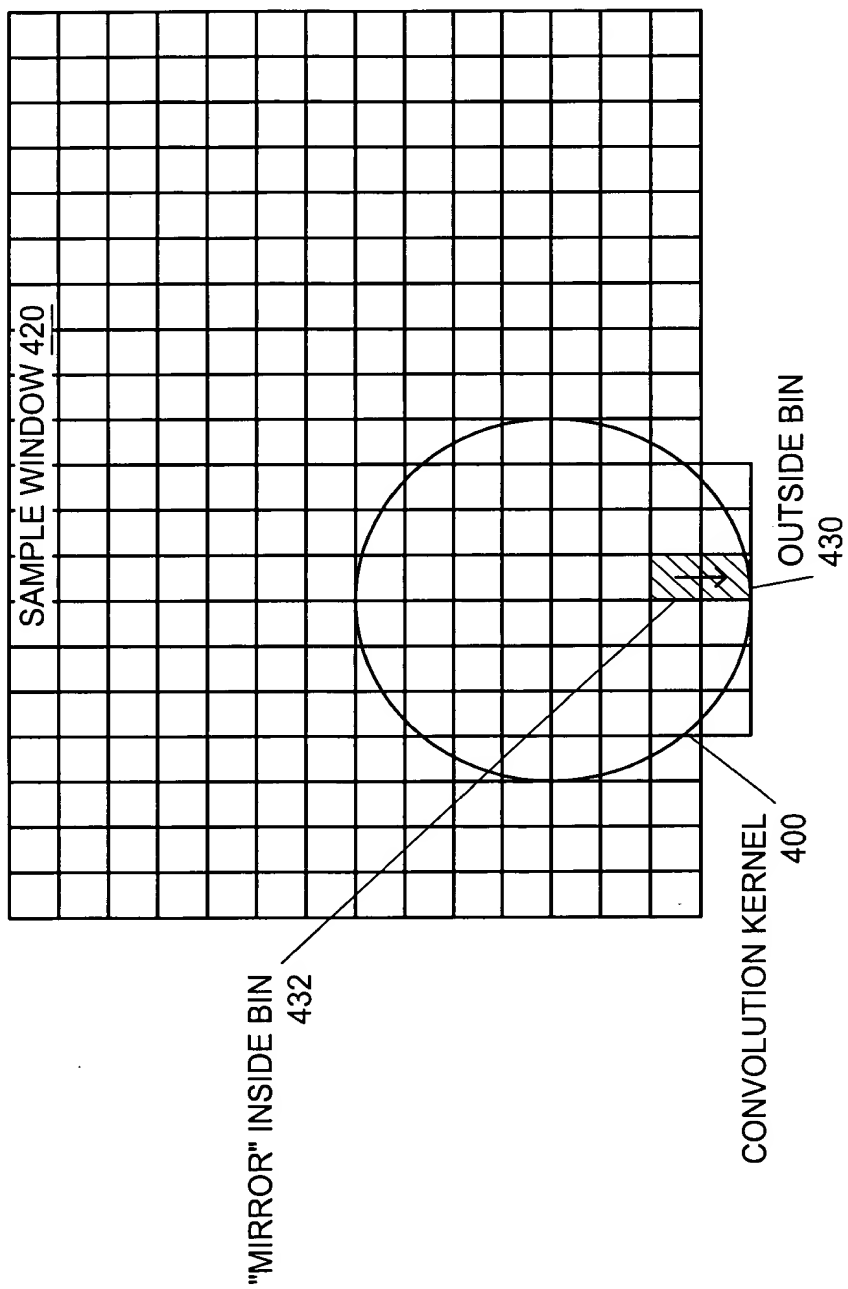


FIG. 11B

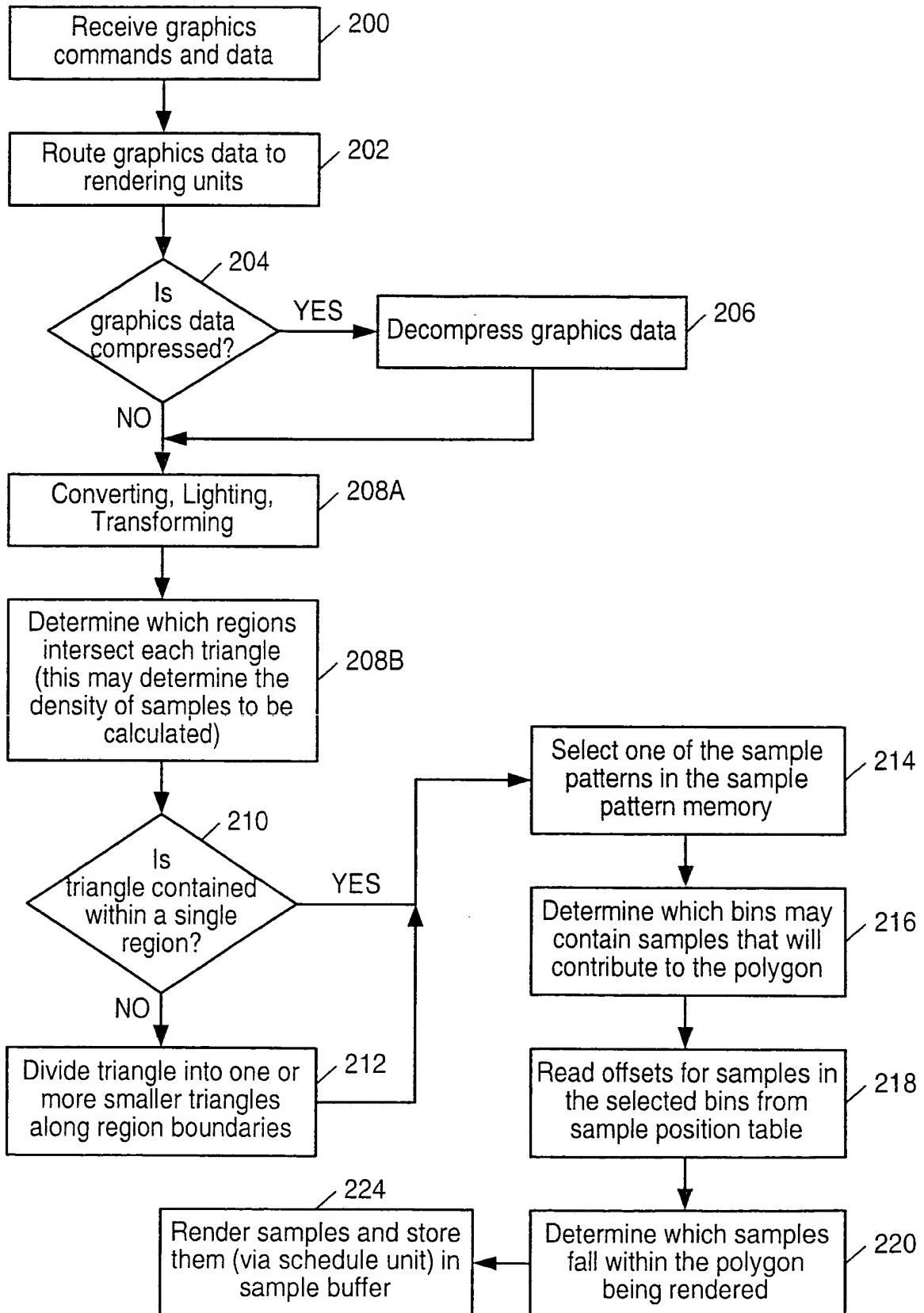


FIG. 12

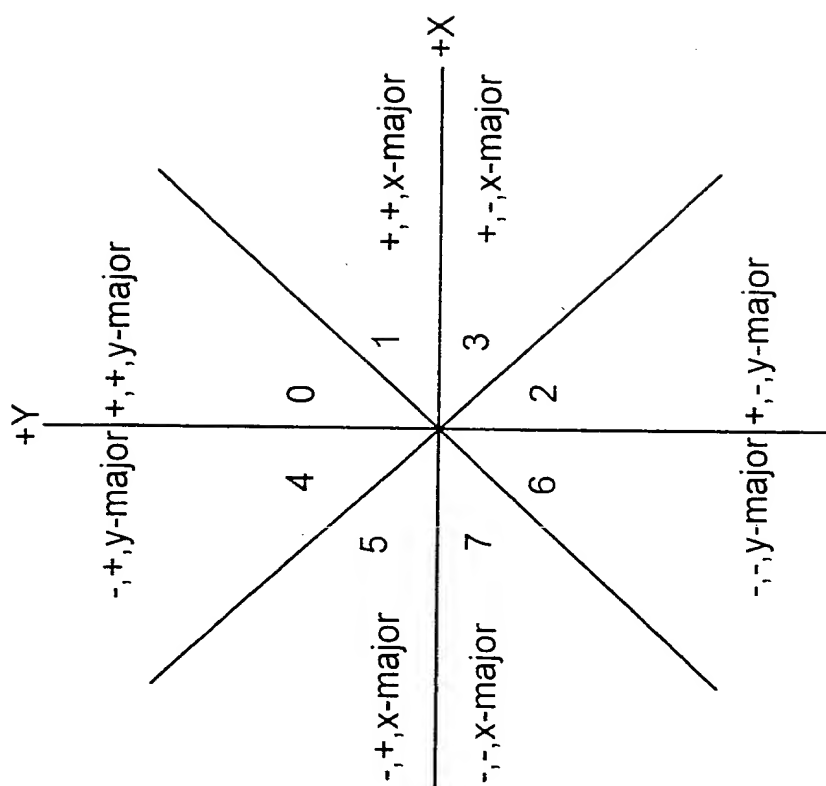


FIG. 12A

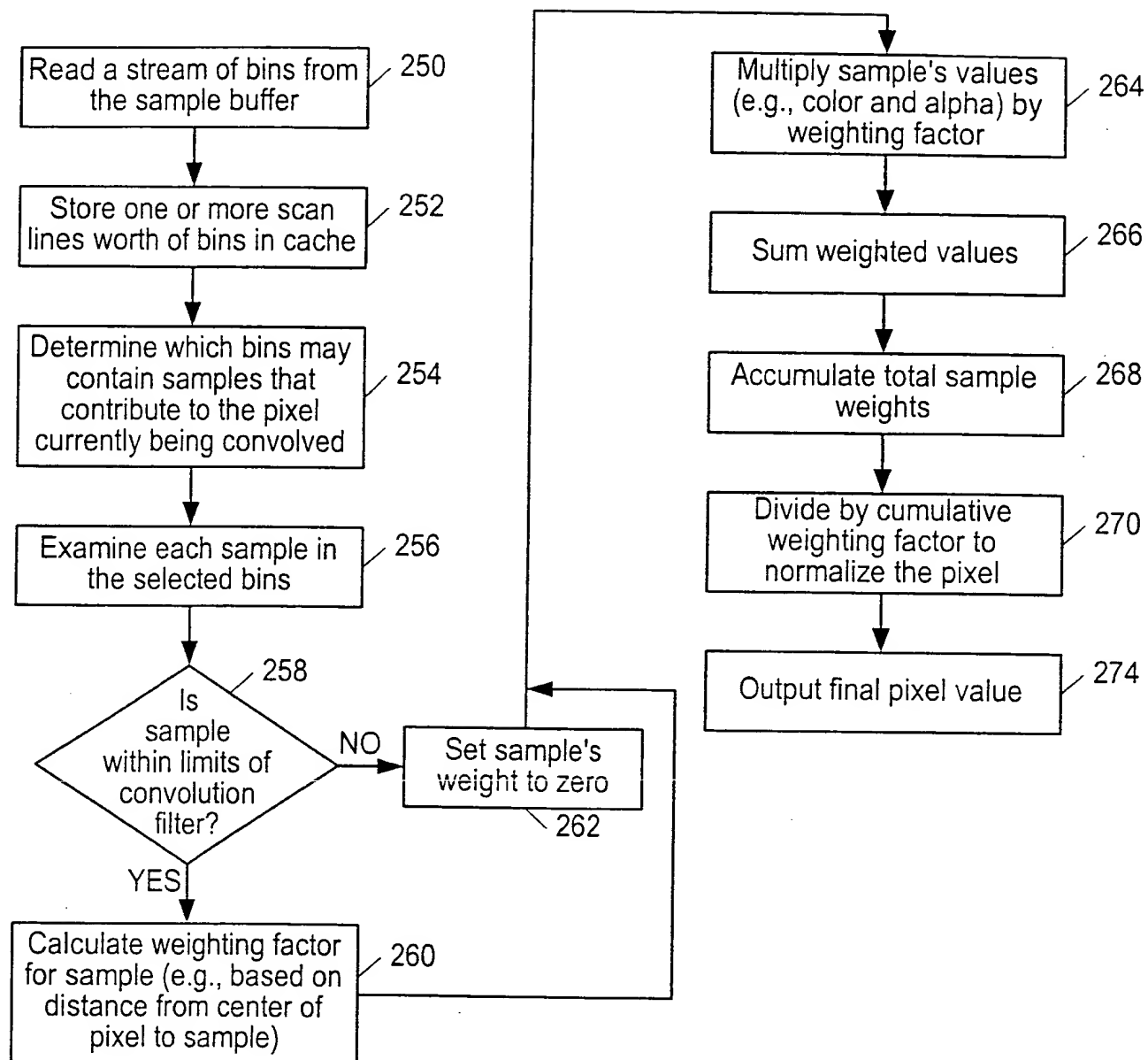


FIG. 13



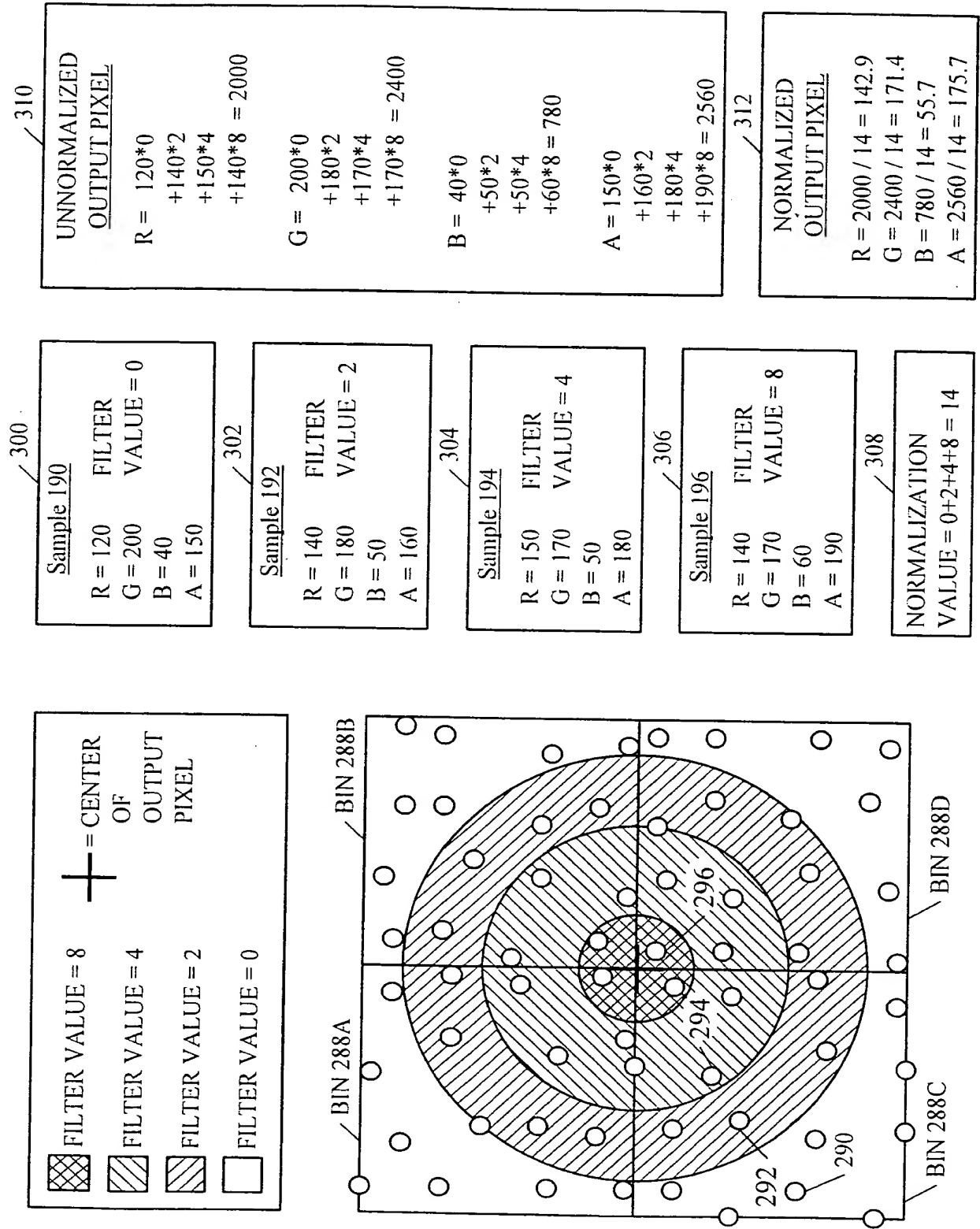


FIG. 14

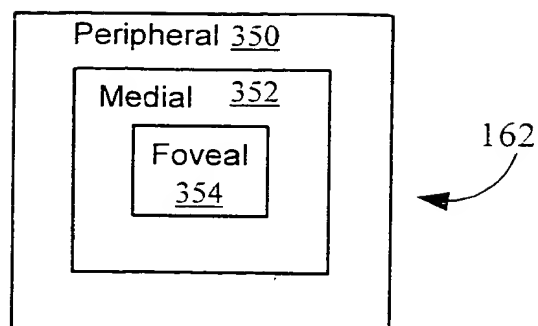


FIG. 15

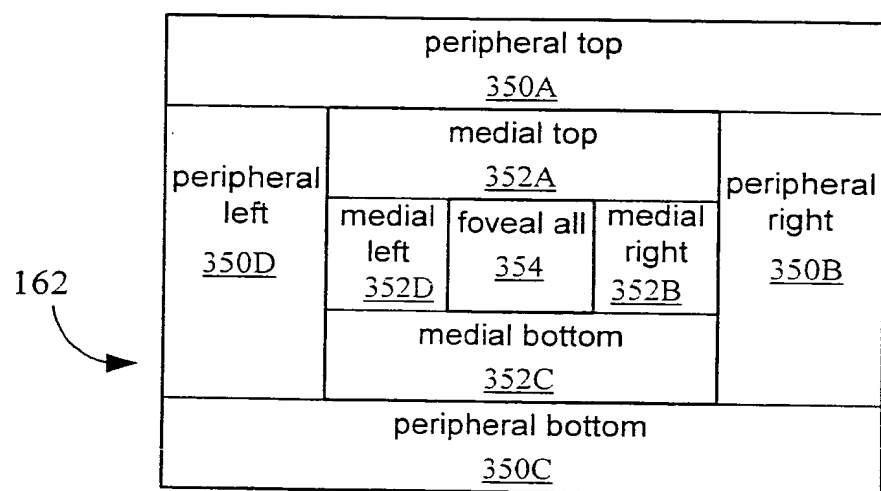


FIG. 16

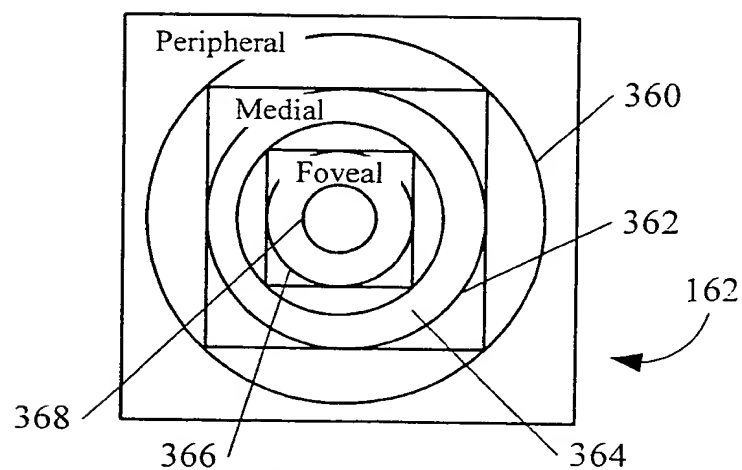
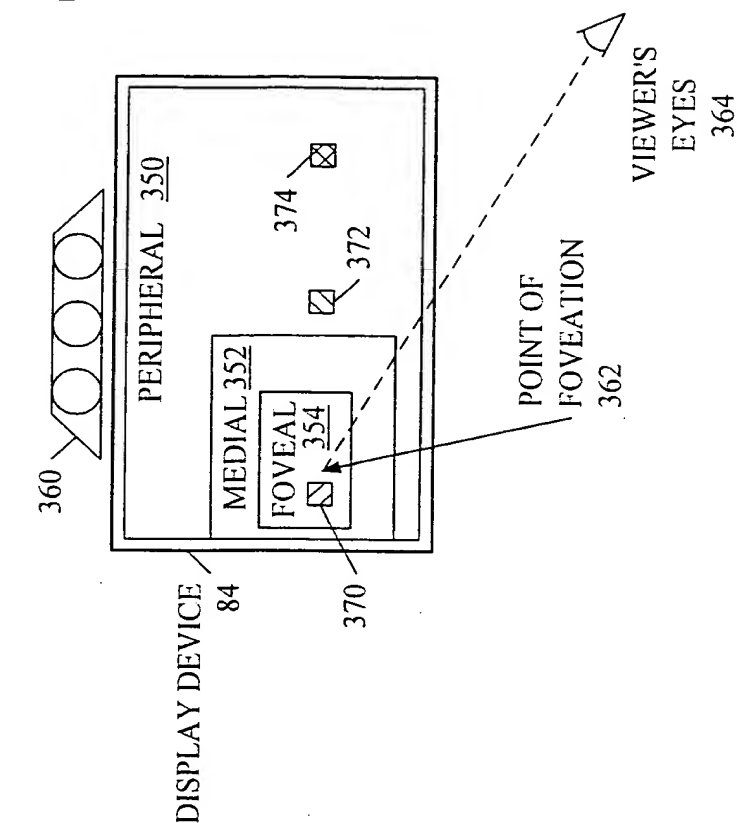
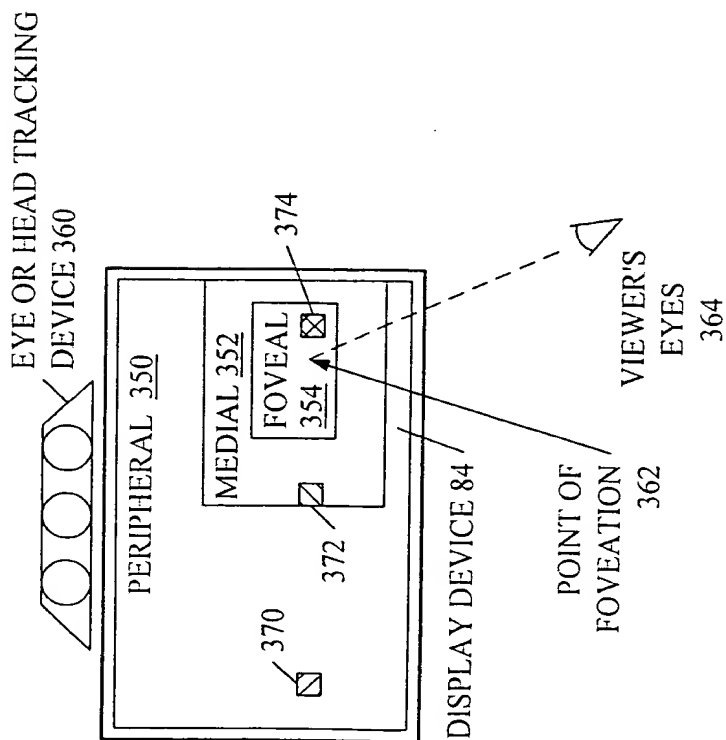


FIG. 17



- ☒ PERIPHERAL REGION = 1 SAMPLE PER BIN  
CONVOLUTION RADIUS TOUCHES 1 BIN  
TOTAL = 1 SAMPLE MAY CONTRIBUTE
- ☒ PERIPHERAL REGION = 1 SAMPLE PER BIN  
CONVOLUTION RADIUS TOUCHES 1 BINS  
TOTAL = 1 SAMPLE MAY CONTRIBUTE
- ☒ FOVEAL REGION = 8 SAMPLES PER BIN  
CONVOLUTION RADIUS TOUCHES 4 BIN  
TOTAL = 32 SAMPLE MAY CONTRIBUTE

FIG. 18B



- ☒ FOVEAL REGION = 8 SAMPLES PER BIN  
CONVOLUTION RADIUS TOUCHES 4 BINS  
TOTAL = 32 SAMPLES MAY CONTRIBUTE
- ☒ MEDIAL REGION = 4 SAMPLES PER BIN  
CONVOLUTION RADIUS TOUCHES 4 BINS  
TOTAL = 16 SAMPLES MAY CONTRIBUTE
- ☒ PERIPHERAL REGION = 1 SAMPLE PER BIN  
CONVOLUTION RADIUS TOUCHES 1 BIN  
TOTAL = 1 SAMPLE MAY CONTRIBUTE

FIG. 18A

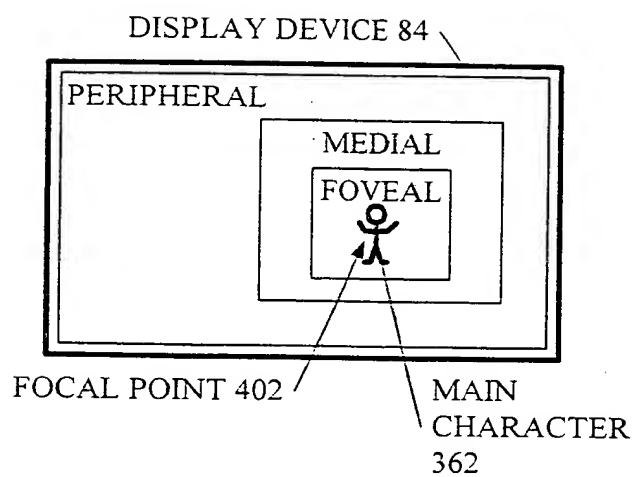


FIG. 19A

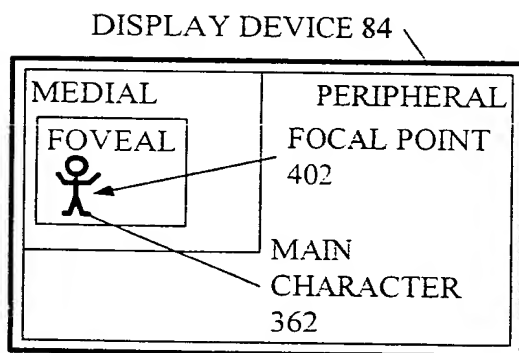


FIG. 19B

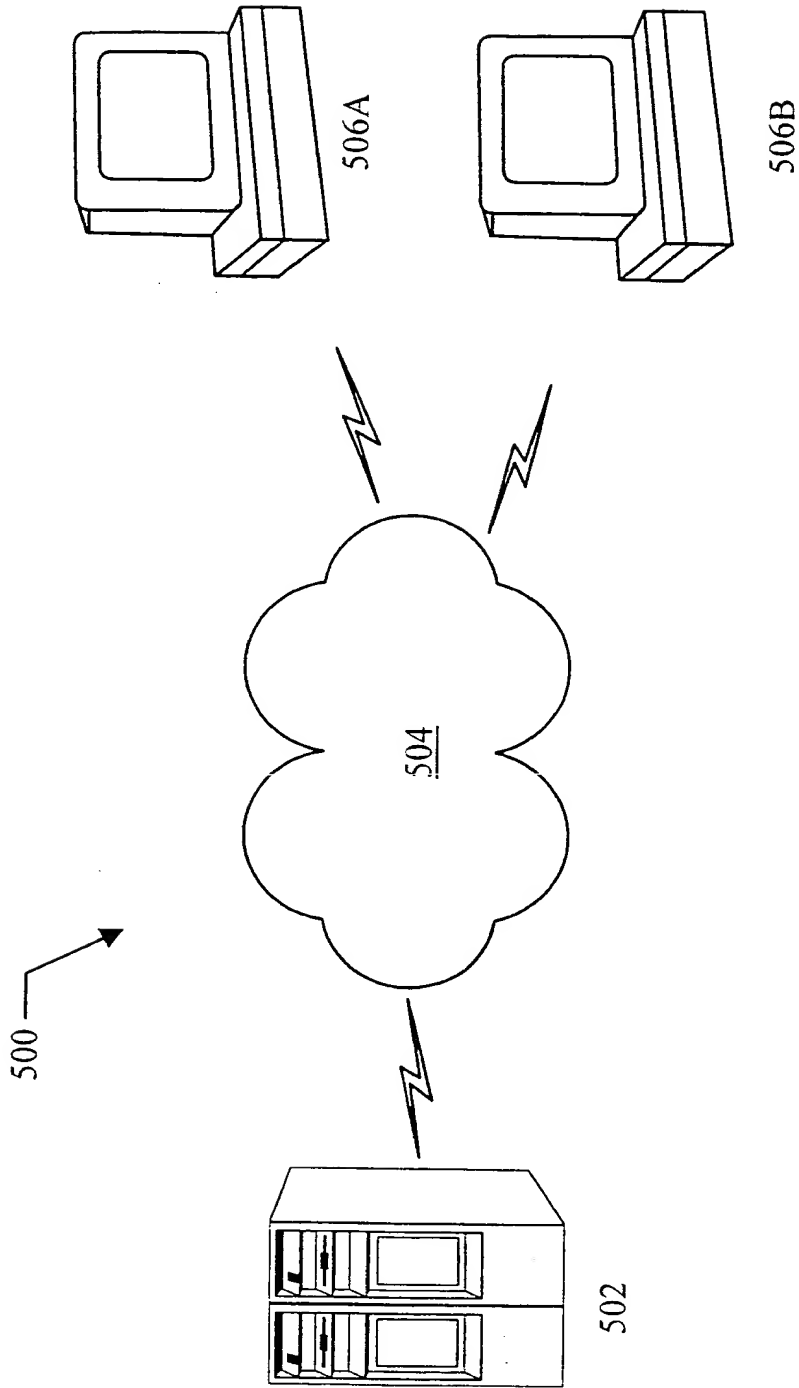


FIG. 20

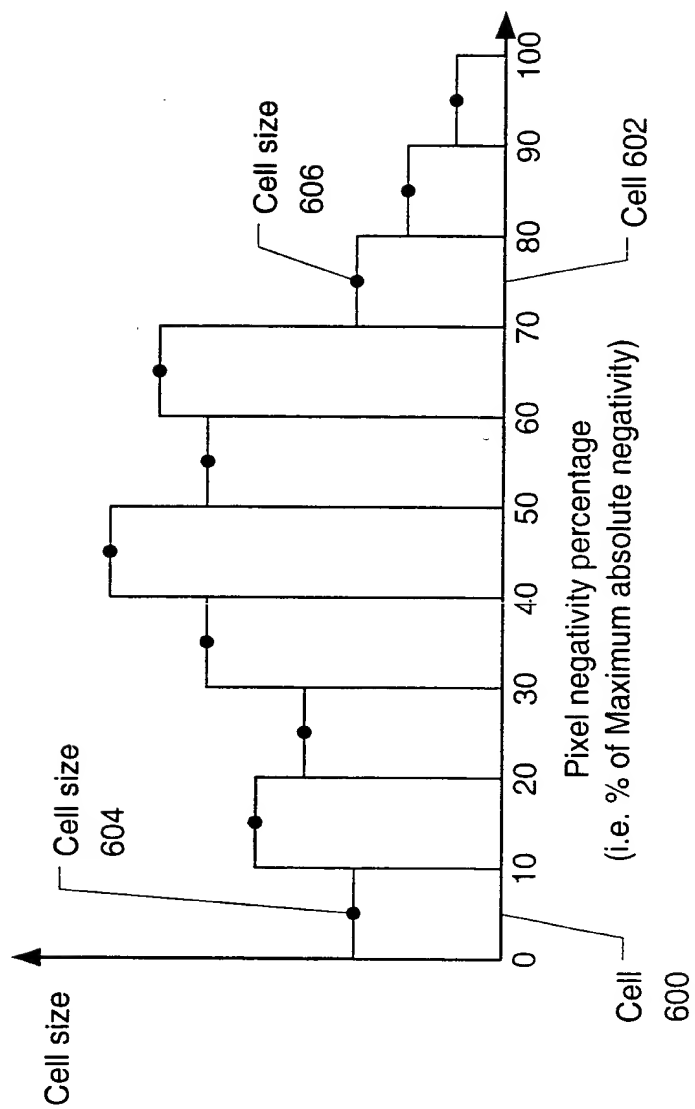
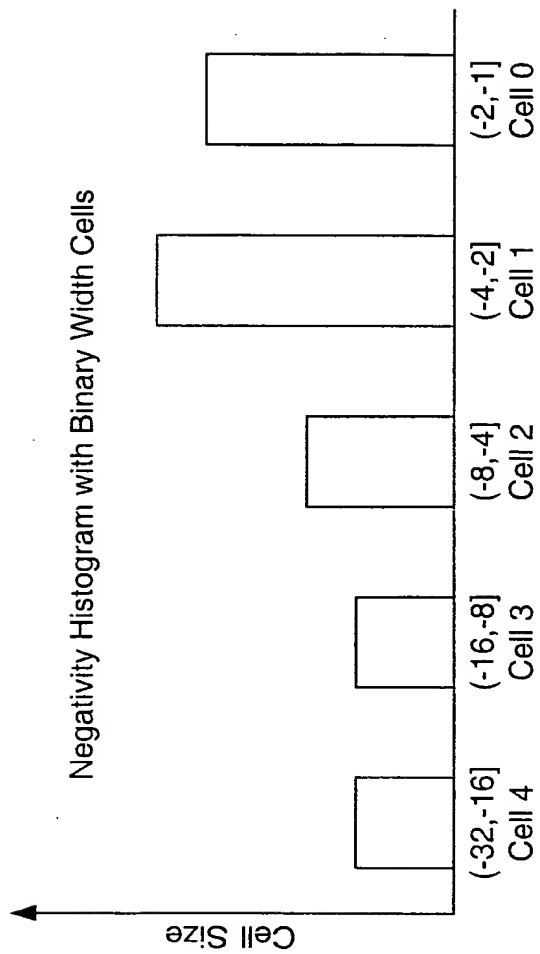


Figure 21



Each Cell defined by a ranges of pixel negativity values of the form (A,B]

Fig. 22



Fig. 23A Truncated Sinc Filter

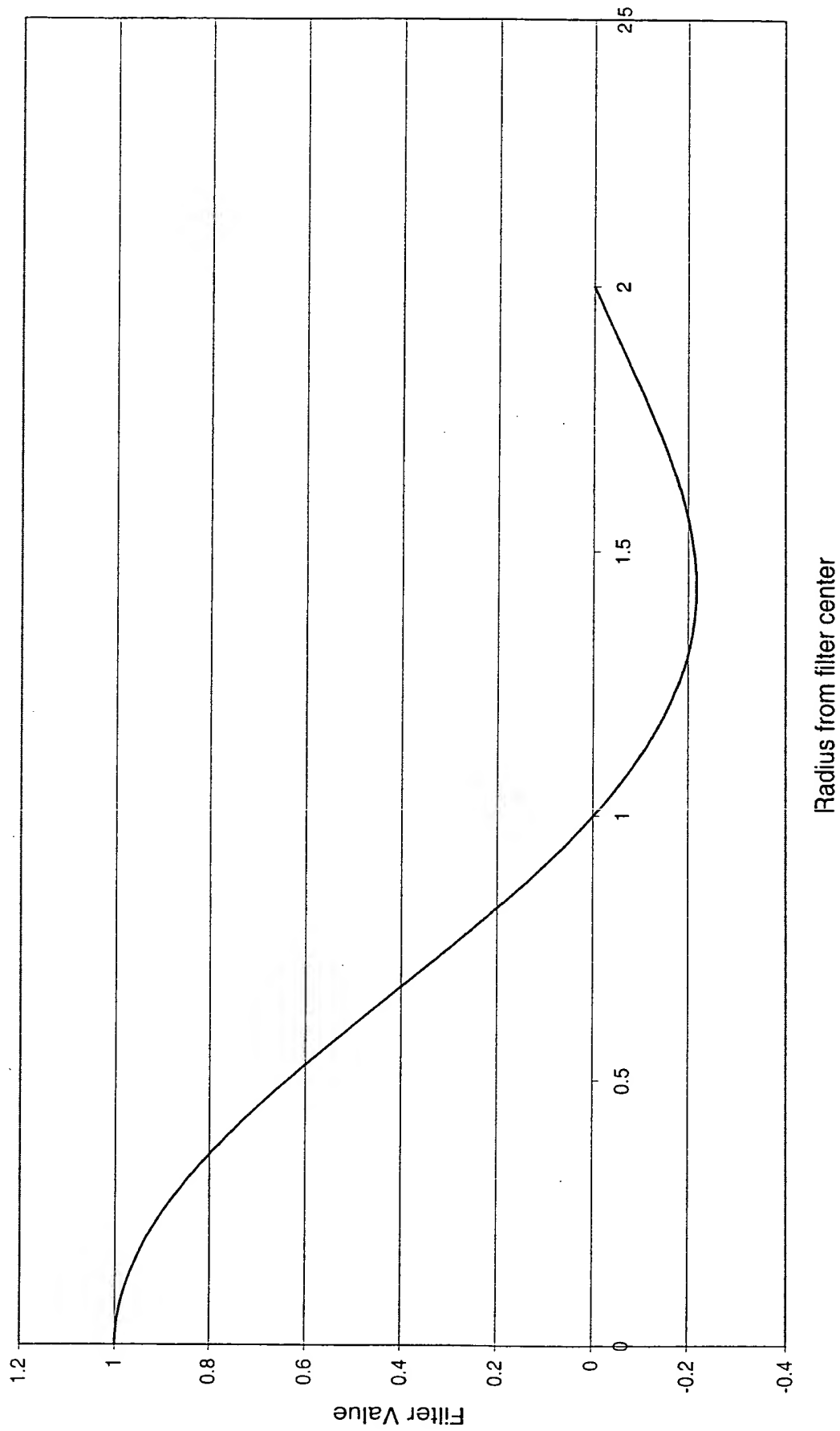






Fig. 23B Catmull-Rom Filter

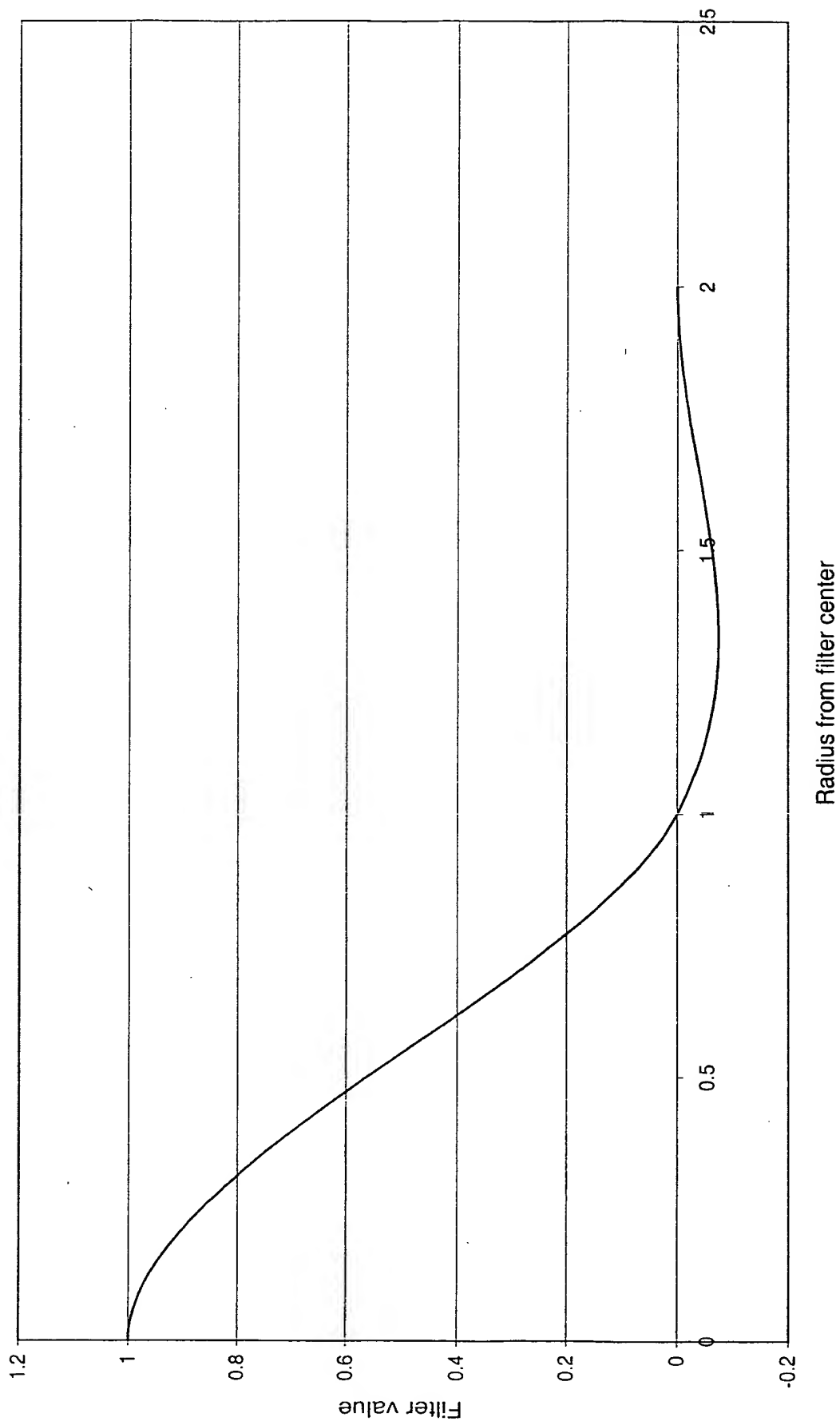
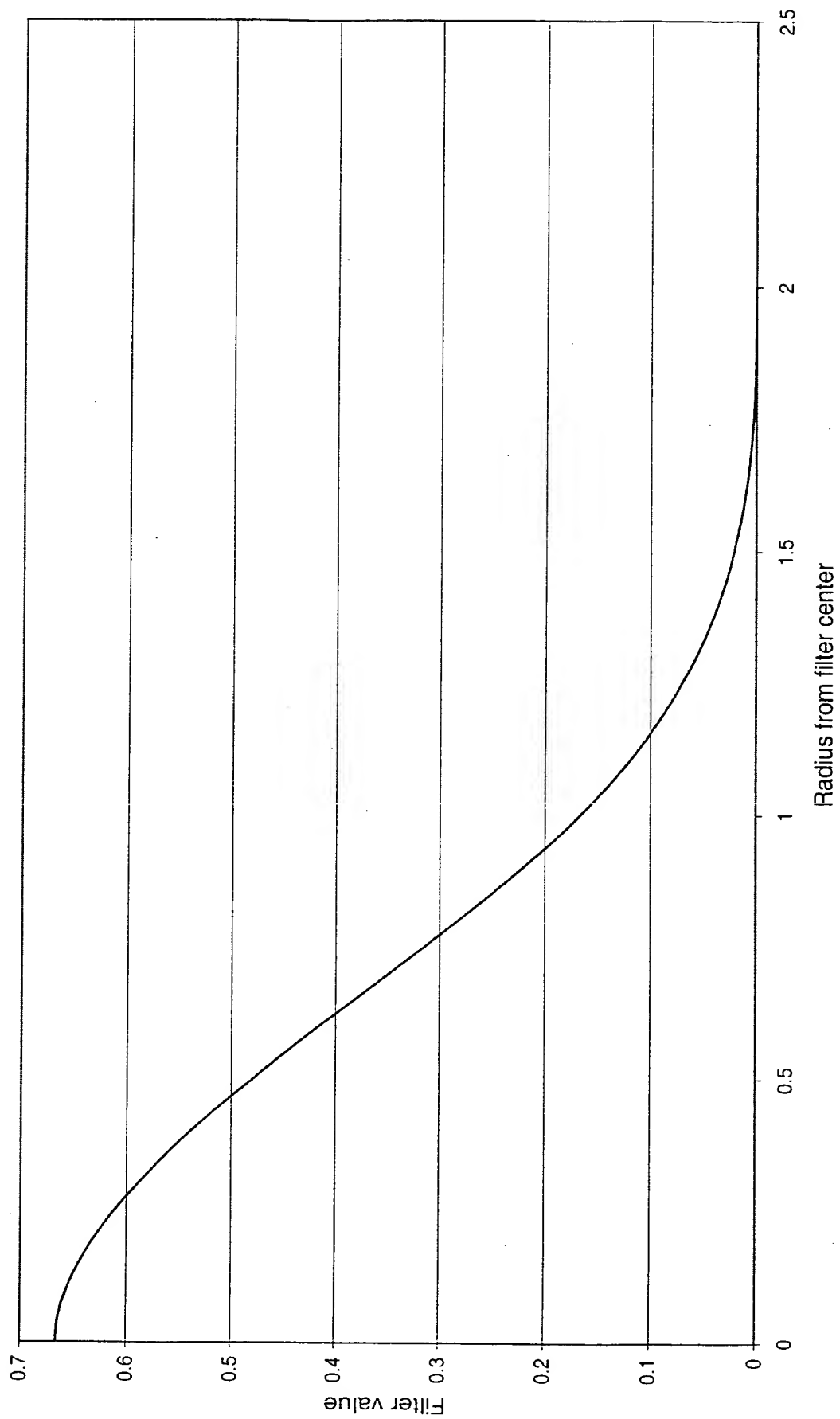




Fig. 23C Cubic B-Spline



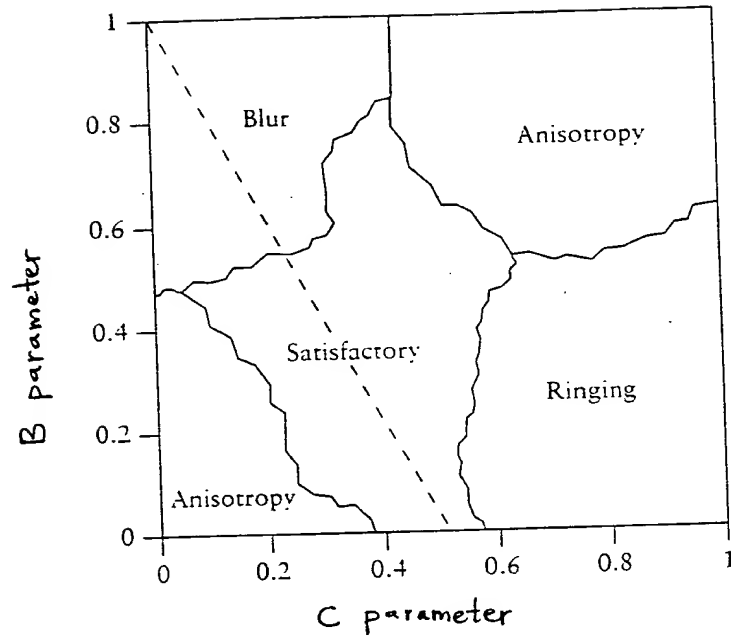
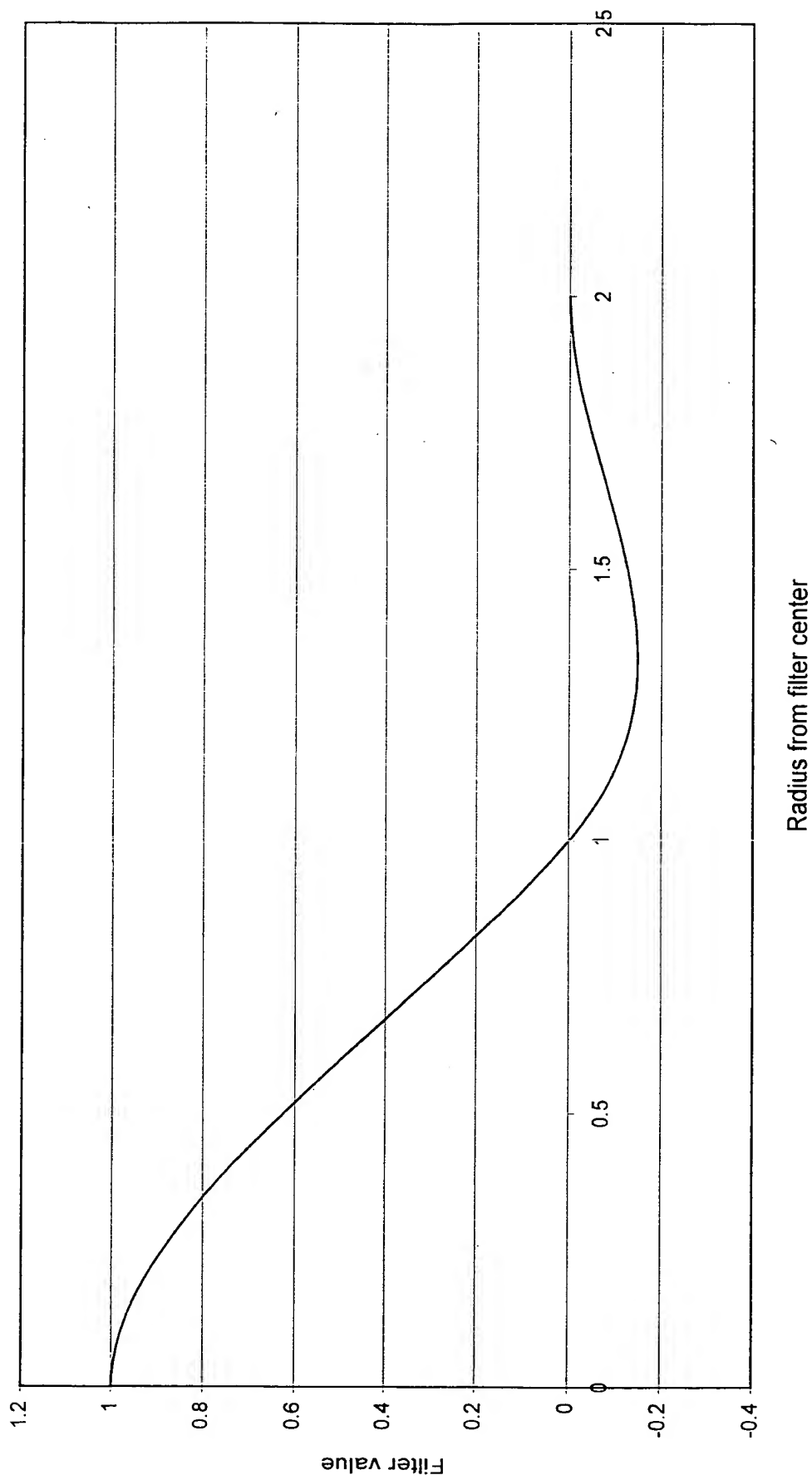


Fig. 23D



Fig. 23E Cardinal cubic spline,  
i.e. Mitchell-Netravali filter (0,1)



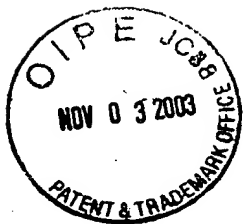
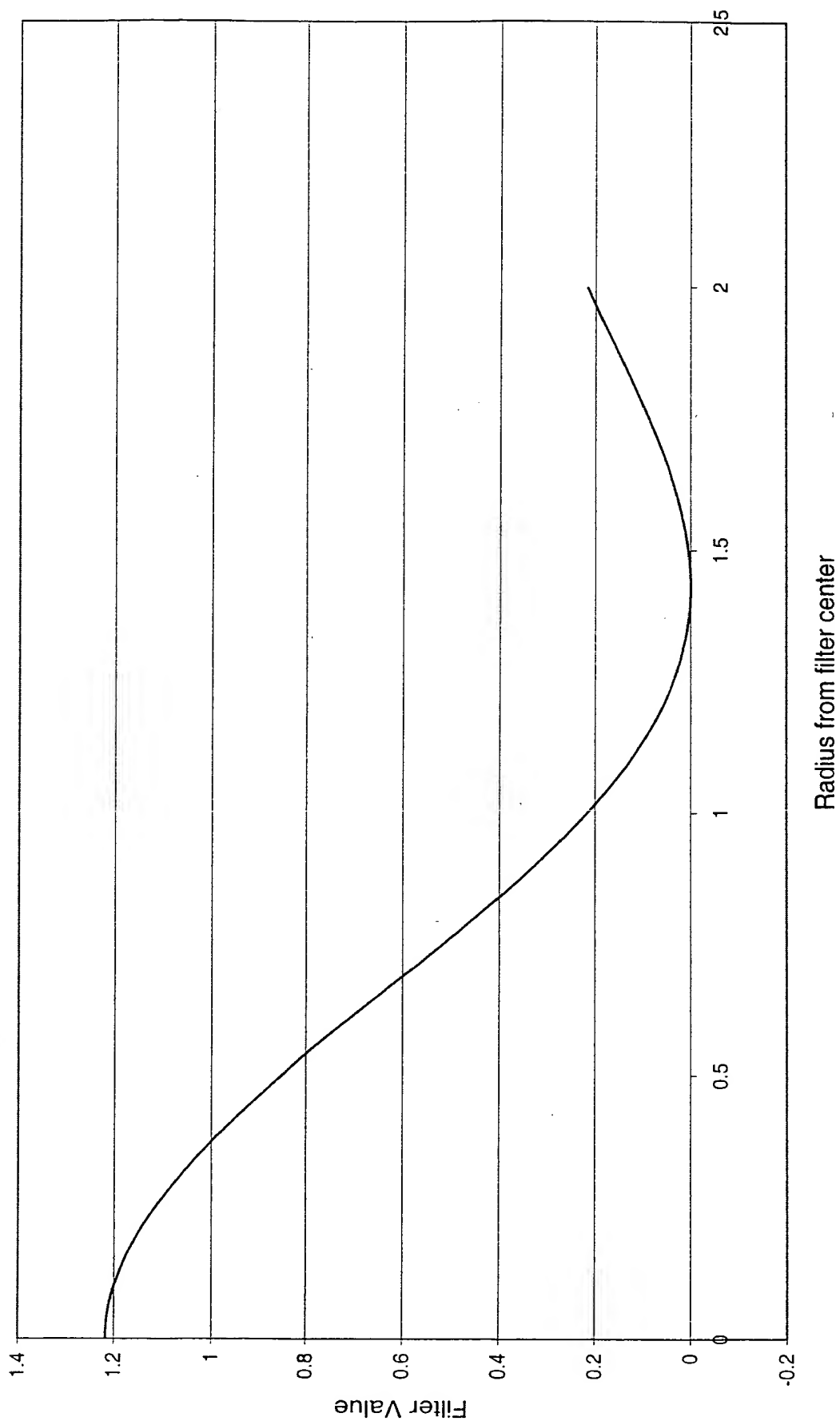


Fig. 24 Upward Shifted and Truncated Sinc Filter



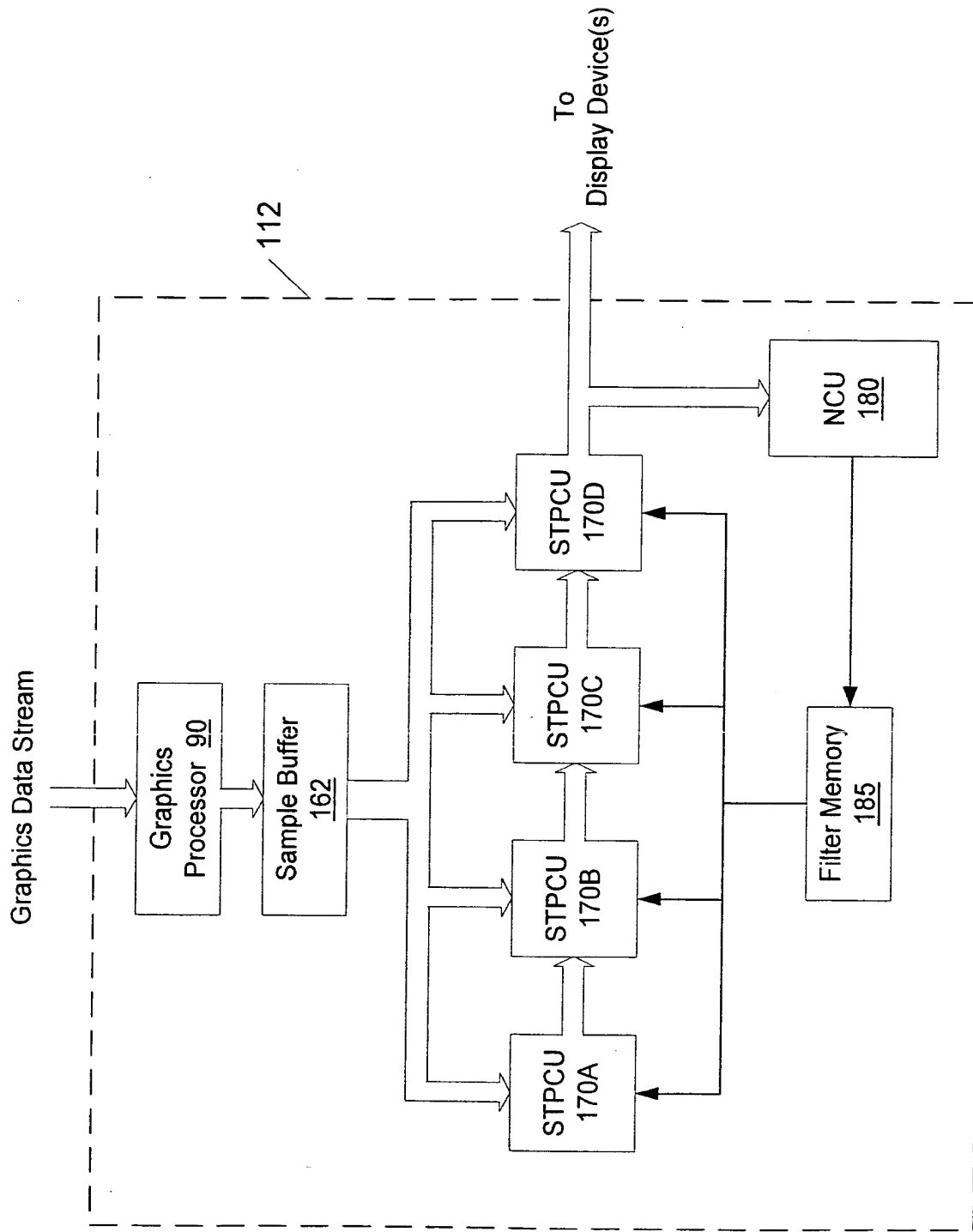


Fig. 25

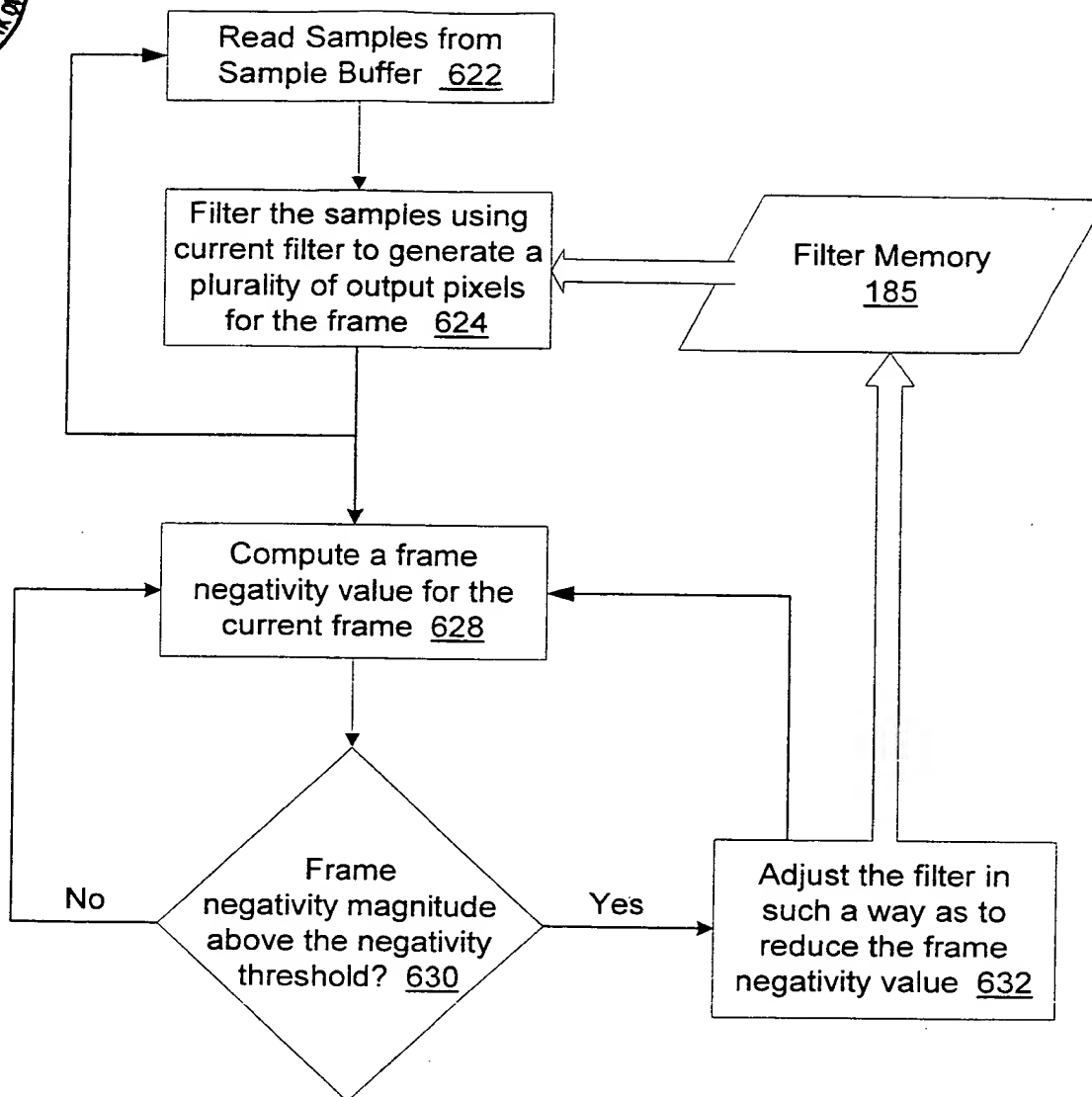


Fig. 26

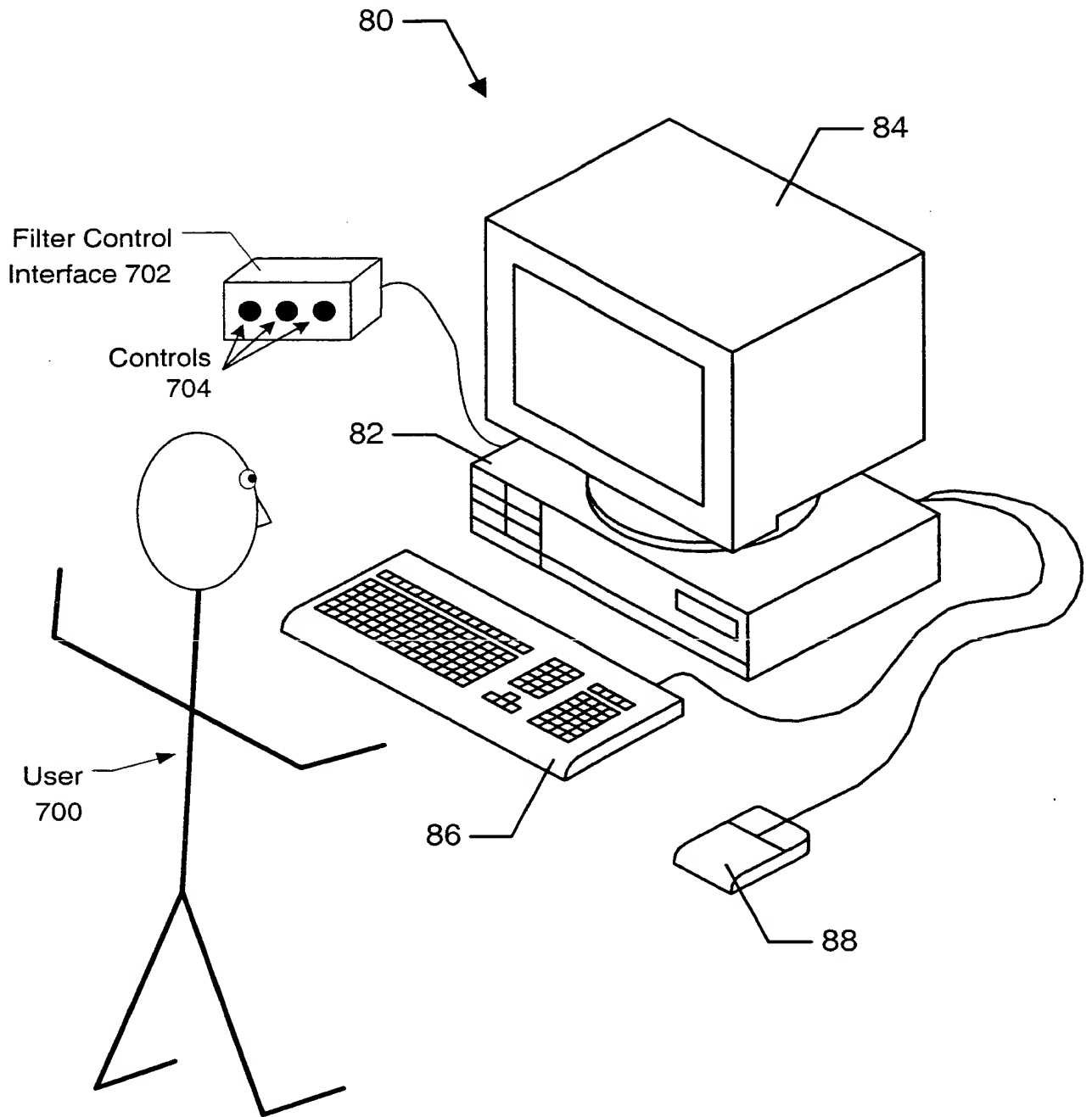


Fig. 27



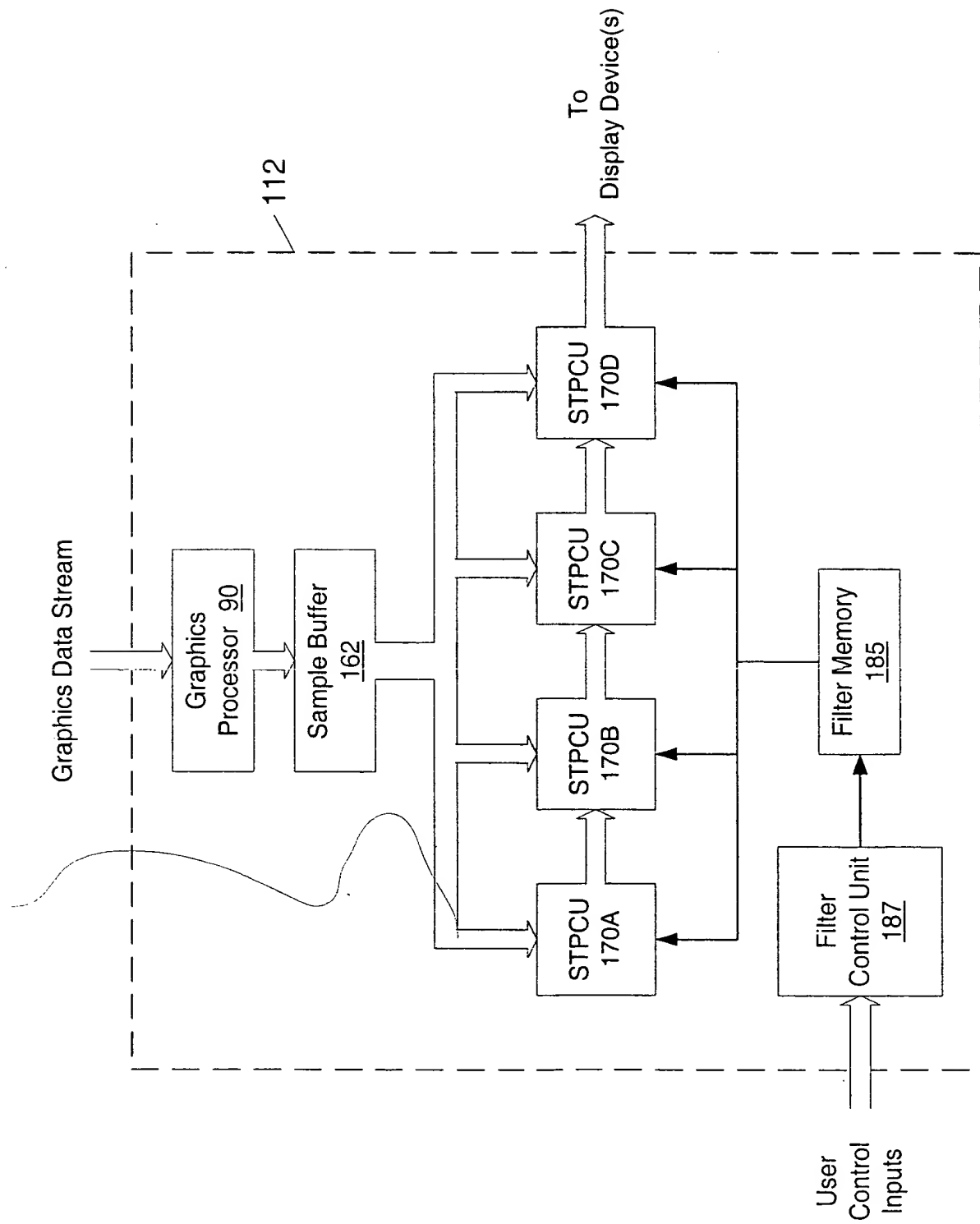


Fig. 28

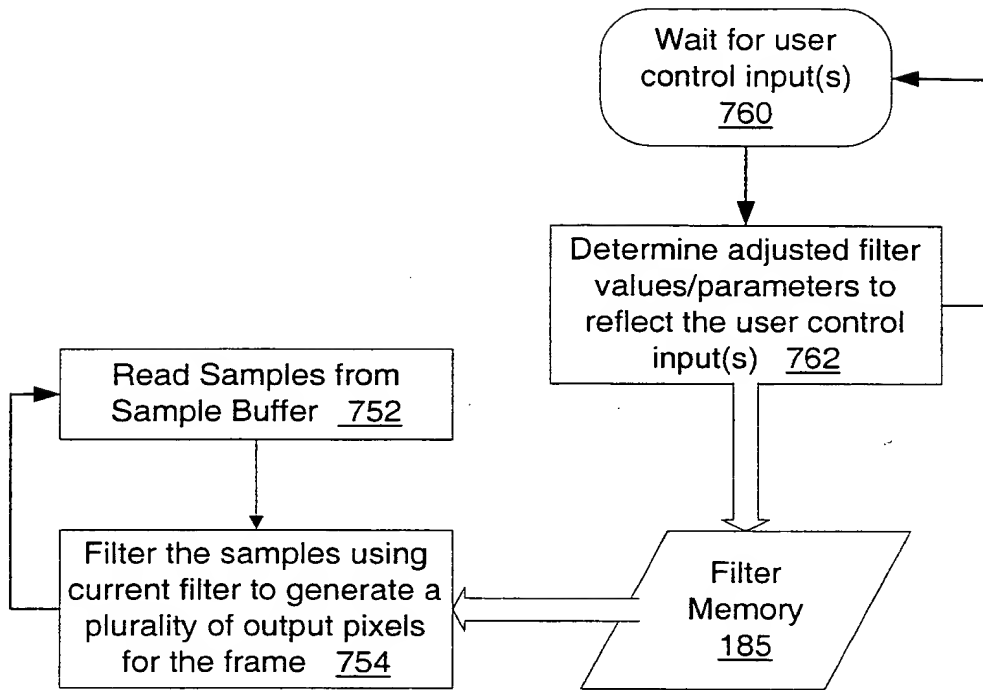


Fig. 29

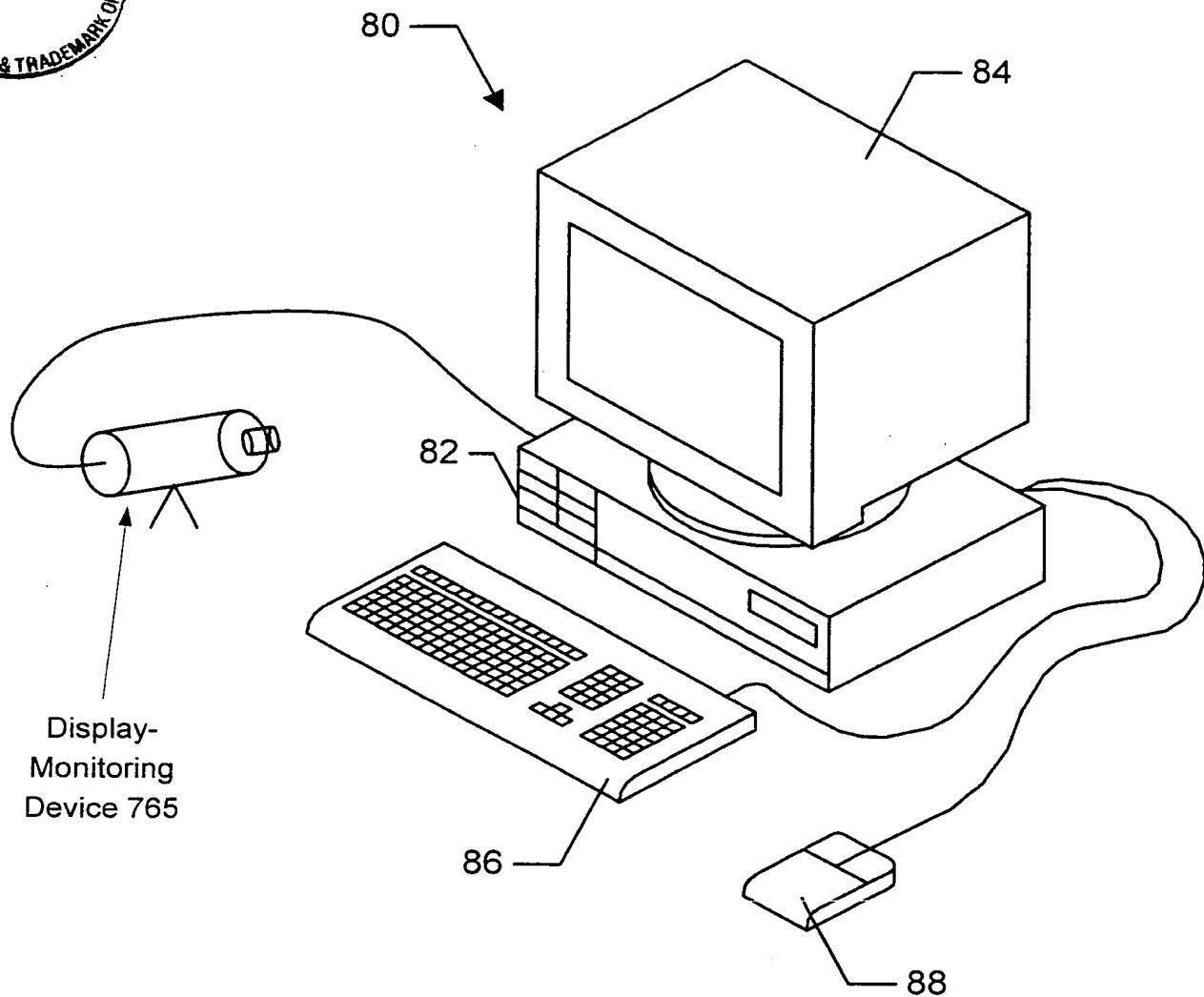


Figure 30

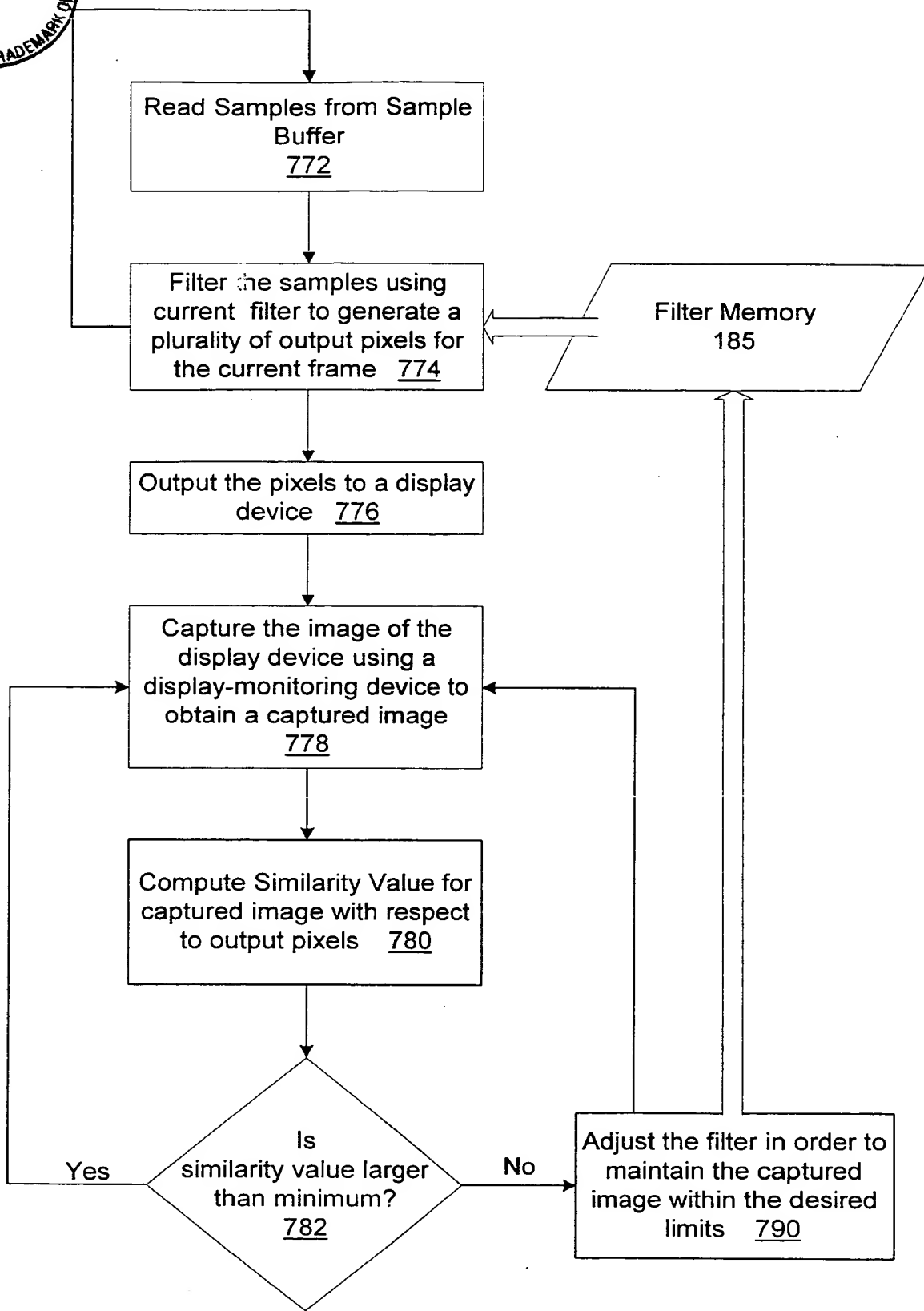


Fig. 31